

UTAH OIL AND GAS CONSERVATION COMMISSION

M

REMARKS: WELL LOG ELECTRIC LOGS ☒ F.O.X. WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

950816 fr Lomat to Inland/menger eff 6-29-95

DATE FILED 9-16-83

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-50376 INDIAN

DRILLING APPROVED: 9-22-83 - OIL

SPUDDED IN: 5/24/84

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION: 10,000 bbl/day 8-15-83

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH: 6858'

WELL ELEVATION: 5241

DATE ABANDONED:

FIELD: ~~WILDCAT TREATY BOUNDARY~~ ~~Mojave~~ ~~Butte~~ Treaty Boundary

UNIT:

COUNTY: DUCHESNE

WELL NO. BOUNDARY FED. 5-21

API #43-013-30822

LOCATION 1981' FNL FT. FROM (N) (S) LINE.

660' FWL

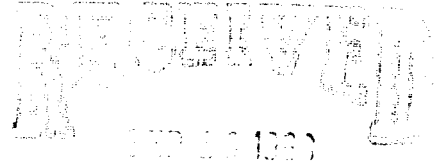
FT. FROM (E) (W) LINE. SWNW

1/4 - 1/4 SEC.

21

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
------	------	------	----------	------	------	------	----------

September 13, 1983



Chief, Branch of Fluid Minerals,
Utah State Office, BLM
University Club Building
136 East South Temple
Salt Lake City, Utah 84111

DIVISION OF
OIL, GAS & MINING

APD/NTL-6 Transmittal
Boundary Federal #5-21
SW/NW Section 21, T8S, R17E
Duchesne County, Utah

Gentlemen:

Enclosed are four copies of the APD/NTL-6 for the subject well. It is requested that a copy of the approval to drill be mailed to Lomax's Roosevelt office at P.O. Box 1446, Roosevelt, Utah 84066.

Please advise if you need additional information.

Very truly yours,

Michele Tisdell
Sec., V.P. Drilling & Production

MT
Enclosures (4)

cc: State of Utah
Division of Oil and Gas
4241 State Office Building
Salt Lake City, Utah 84114

Minerals Management Service
170 South 500 East
Vernal, Utah 84078
Mr. Greg Darlington

333 North Belt East • Suite 880 • Houston, Texas 77060 • 713/931-9276
Mailing Address: P.O. Box 4503 • Houston, Texas 77210-4503

District Office: 248 North Union • Roosevelt, Utah 84066
Mailing Address: P.O. Box 1446 • Roosevelt, Utah 84066

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-50376
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Lomax Exploration Company			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 4503, Houston, TX 77210			8. FARM OR LEASE NAME Boundary Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 660' FWL & 1981' FNL SW/NW At proposed prod. zone			9. WELL NO. 5-21
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 11 miles Southeast of Myton, Utah			10. FIELD AND POOL, OR WILDCAT Undesignated
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 21, T8S, R17E
16. NO. OF ACRES IN LEASE 1705.6			12. COUNTY OR PARISH 13. STATE Duchesne Utah
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1882			20. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 7000			
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5241' GR			22. APPROX. DATE WORK WILL START* November, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	23	300	To Surface
7 7/8	5 1/2	17	TD	As Required

RECEIVED
MAR 7 1984DIVISION OF
OIL, GAS & MININGRECEIVED
SEP 19 1983
SALT LAKE CITY, UTAH
OIL & GAS OPERATIONS
RECEIVED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program if any.

24. SIGNED G. L. Pruitt TITLE V.P. Drilling & Production DATE 9/13/83
(This space for Federal or State office use)PERMIT NO. _____ APPROVED DATE SEP 16 1983
APPROVED BY [Signature] TITLE DISTRICT MANAGER DATE 3/5/84
CONDITIONS OF APPROVAL, IF ANY: _____CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPYFLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

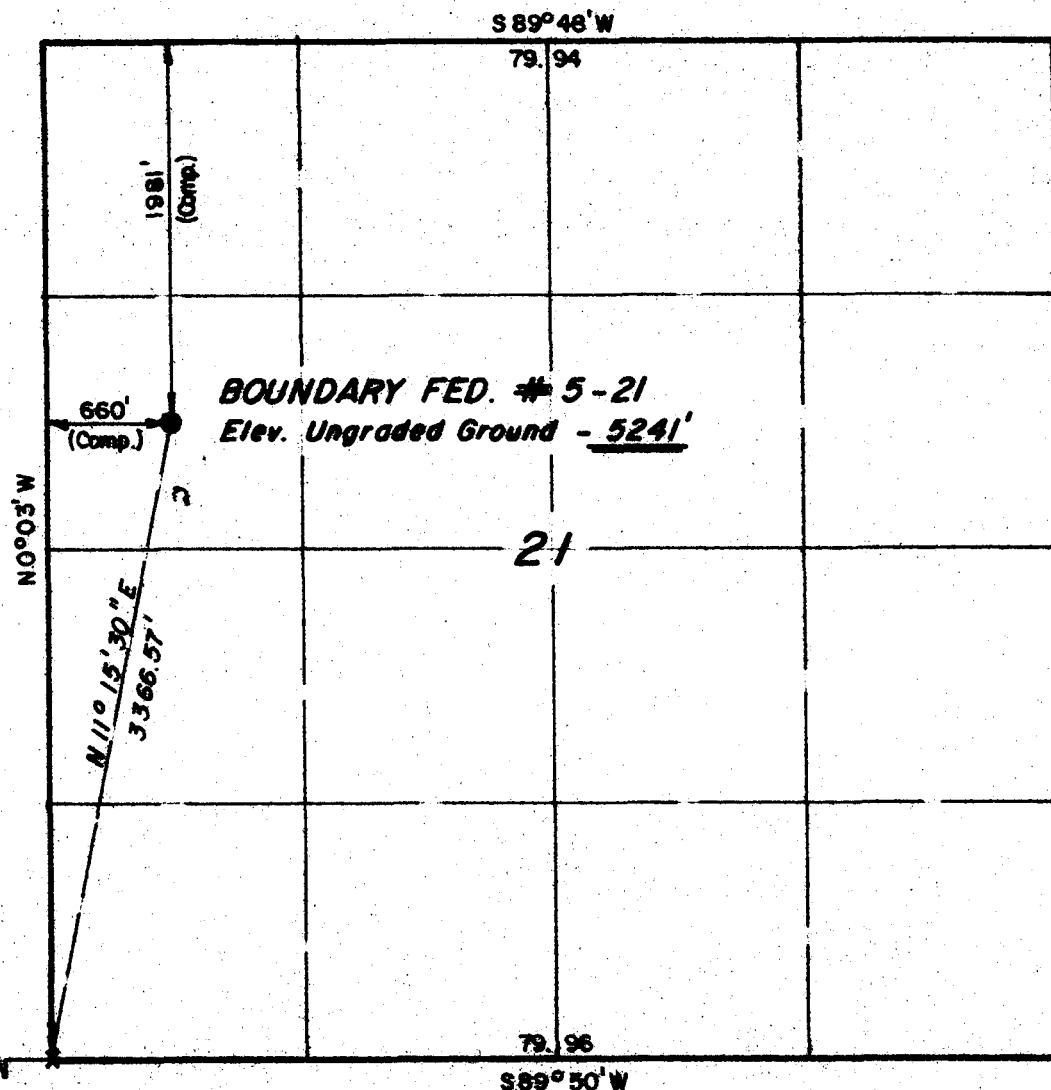
NOTICE OF APPROVAL

State Oil & Gas

T8S, R17E, S.L.B.&M.

PROJECT
LOMAX EXPLORATION CO.

Well location, **BOUNDARY FED. # 5-21**, located as shown in the SW 1/4 NW 1/4 Section 21, T8S, R17E, S.L.B. & M. Duchesne County, Utah.



SW 1/4 Cor. Sec. 20, T8S, R17E, S.L.M.

X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Gene Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 65 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	8/9/83
PARTY	RK DB JF RP	REFERENCES	GLD Plat
WEATHER	Clear / Hot	FILE	LOMAX

OPERATOR Lomax Exploration Co DATE 9-21-83
WELL NAME Boundary Fed. 5-21
SEC SWNW-21 T 8S R 12E COUNTY Duchesne

43-013-30822
API NUMBER

Fed.
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

NO OIL WELLS WITHIN 1000'

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 9-22-83
BY: [Signature]

✓ CHIEF PETROLEUM ENGINEER REVIEW:

9/23/83

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

WATER

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON FLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING *FED*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER *NO*

☐ UNIT *NO*

☒ c-3-b

☐ c-3-c

LA
10/1/80
THIS IS A DRAFTING
DRAWING OF
THE REGION OF
WELL C-3-B TO THE STATE

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

September 22, 1983

Lomax Exploration Company
P. O. Box 4503
Houston, Texas 77210

RE: Well No. Boundary Fed. 5-21
SWNW Sec. 21, T. 8S, R. 17E
1981' FNL, 660' FNL
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (Phone No. 533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

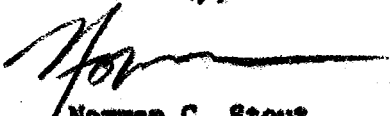
RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30822.

Sincerely,



Norman C. Stout
Administrative Assistant

NCS/as
cc: Branch of Fluid Minerals
Encl.

November 7, 1983

Chief, Branch of Fluid Minerals
Utah State Office, BLM
136 East South Temple
Salt Lake City, Utah 84111

Boundary Federal #5-21
Sec. 21, T8S, R17E
Duchesne County, Utah

Gentlemen:

Enclosed is ~~a~~ Sundry Notice describing a change in location of the subject well.

Also attached are revisions to the location plat and cut sheet originally submitted with the APD dated 9/13/83.

Please advise if additional information is required.

Sincerely,



Cheryl Cameron
Sec., Drilling & Production

cc
Enclosures (3)

cc: State of Utah
Division of Oil & Gas
4241 State Office Building
Salt Lake City, Utah 84114

RECEIVED
NOV 9 1983

**DIVISION OF
OIL, GAS & MINING**

333 North Belt East • Suite 880 • Houston, Texas 77060 • 713/931-9276
Mailing Address: P.O. Box 4503 • Houston, Texas 77210-4503

District Office: 248 North Union • Roosevelt, Utah 84066
Mailing Address: P.O. Box 1446 • Roosevelt, Utah 84066

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FEB 22 1984

February 17, 1984

U.S. Dept. of Interior
Bureau of Land Management
170 S. 500 East
Vernal, Utah 84078

DIVISION OF
OIL, GAS & MINING

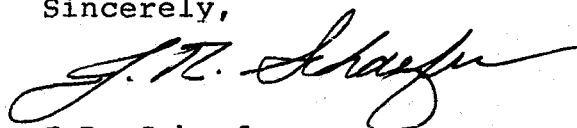
Boundary Federal #5-21
Section 21, T8S, R17E
Duchesne County, Utah

Gentlemen:

Please find enclosed the Rehabilitation Plan for the subject well. It is anticipated that this well will be drilled prior to April 1, 1984.

Please advise if additional information is required.

Sincerely,



J.R. Schaefer
District Manager

JRS/cc

cc: BLM - Salt Lake City
State of Utah - Division of Oil & Gas

Lease No.: U-50376 Well Name and No.: Boundary Federal #5-21
Location: SW/NW Sec. 21, T. 8S W., R. 17E X.

Lomax Exploration Company ~~Oil Company~~ intends to drill a well on surface owned by Golden Meacham. The lessee/operator agrees to complete the following rehabilitation work if the well is a producer:

☒ YES ☐ NO Maintain access road and provide adequate drainage to road.

☒ YES ☐ NO Reshape and reseed any area not needed for maintenance of the pump and support facilities.

Other requirements: _____

The following work will be completed when the well is abandoned:

☒ YES ☐ NO Pit will be fenced until dry, then filled to conform to surrounding topography.

☒ YES ☐ NO Water bars will be constructed as deemed necessary.

☒ YES ☐ NO Site will require reshaping to conform to surrounding topography.

☐ YES ☒ NO Entire disturbed area will be reseeded. If yes, the following seed mixture will be used:

Lomax Exploration Company will pay damages

☐ YES ☐ NO Access road will be closed, rehabilitated and reseeded using the same seed mixture as above. (At owner's request)

☐ YES ☐ NO Access road will remain for surface owner's use. (At owner's request)

☒ YES ☐ NO Water bars will be constructed on the access road as deemed necessary.

Other requirements: _____

SURFACE OWNER:

Name: Golden Meacham
Address: P. O. Box 58
City: Myton
State: Utah 84052
Telephone: (801) 646-3196
Date: _____

OPERATOR/LESSEE:

Name: Lomax Exploration Company
Address: P. O. Box 4503
City: Houston
State: Texas 77210-4503
Telephone: (713) 931-9276
Date: February 15, 1984

I CERTIFY rehabilitation has been discussed with me, the surface owner:

Shirley A. Meacham

Golden L. Meacham

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

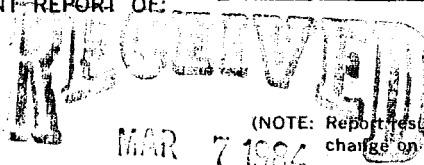
1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
Lomax Exploration Company
3. ADDRESS OF OPERATOR
P.O. Box 1446, Roosevelt, Utah 84066
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 505' FWL, 2103' FNL SW/NW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Move location ☐

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☐
☐
☐



(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

As originally staked, the subject location lay primarily in an extremely marshy area of the SW/NW of Sec. 21, T8S, R17E. Subsequent to the onsite inspection of this location, the stakes were moved to the above coordinates to avoid undue expense and difficulties in the construction of the site. It is estimated that construction of this location will begin prior to 12/12/83. Revised location plat & cut sheets are attached.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED J.R. Schaefer TITLE District Manager DATE 11/7/83

(This space for Federal or State office use)

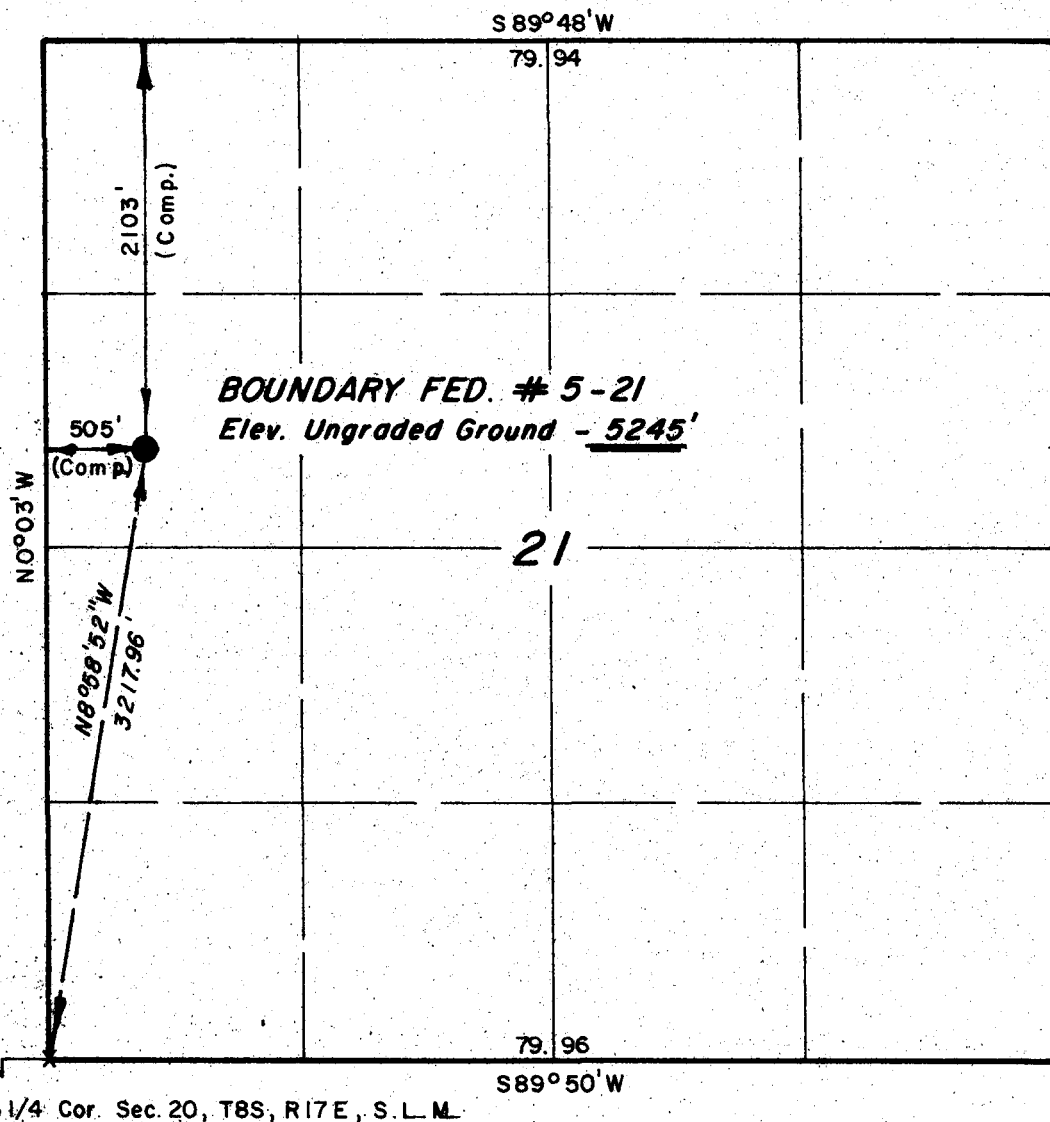
APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE DISTRICT MANAGER DATE 3/5/84

T 8 S , R 17 E , S.L.B.&M.

PROJECT
LOMAX EXPLORATION CO.

Well location, *BOUNDARY FED.*
5 - 21, located as shown in
the SW 1/4 NW 1/4 Section 21, T8S,
R17E, S.L.B. & M. Duchesne
County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF

Dene Stewart

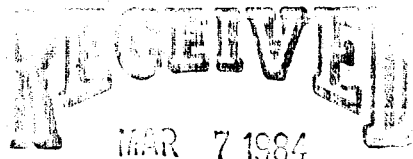
REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

REVISED- 10/26/83

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	8/9/83
PARTY	RK DB JF RP	REFERENCES	GLO Plat
WEATHER	Clear / Hot	FILE	LOMAX

X = Section Corners Located



DIVISION OF
OIL, GAS & MINING

NOS _____
APD _____
Company Lomax Exploration
Well Boundary Fed. 5-21
Section 21 T 8S R 17E
Lease U-50376
Onsite Date 10/05/83

ADDITIONS TO THE MULTIPOINT
SURFACE USE PLAN
RECLAMATION PROCEDURES

CONSTRUCTION

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with the surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. The maximum width of access roads will be 30 feet total disturbed area.
3. Topsoil will be stockpiled on the south end of the location.
4. Burning will not be allowed. All trash must be contained and hauled to the nearest sanitary land fill.
5. The reserve pit will be lined with native clay, commercial bentonite, or plastic sufficient to prevent seepage.
6. Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.
7. The operator or his contractor will contact the Vernal District BLM, Diamond Mountain Resource Area, 48 hours prior to beginning any work on public land.
8. The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
9. A cattleguard will be required in the access road.
10. One culvert 24" x 60' and two culverts 18" x 40' will be required.
11. The entire location will be elevated for proper drainage.
12. A drainage will be cut around the backside of the location.

REHABILITATION

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be hauled to a local sanitary land fill.
2. If any cultural resources are found during construction, all work will stop and the BLM will be notified.

PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed with the methods described in the rehabilitation plan between the operator/lessee and the surface owner. Stockpiled topsoil will be used in reclaiming the unused areas.
2. All permanent (on site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earthtone color to match the standard environmental colors, Rocky Mountain 5 State Interagency Committee. All facilities shall be painted within 6 months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) are excluded.

DOWNHOLE

1. Before drilling out the surface plug the 10" series 900 Hydril Bag type BOP will be tested to 1500 psi and the 10" Double Ram BOP will be tested to 2000 psi. The entire BOP stack will be operationally checked every 24 hours.
2. No chromates will be used in drilling this well without prior approval from the Vernal District Office, Branch of Fluid Minerals.
3. The oil shale zone at approximately 3200-3300' shall be isolated from all other zones.

RECEIVED
MAR 7 1984

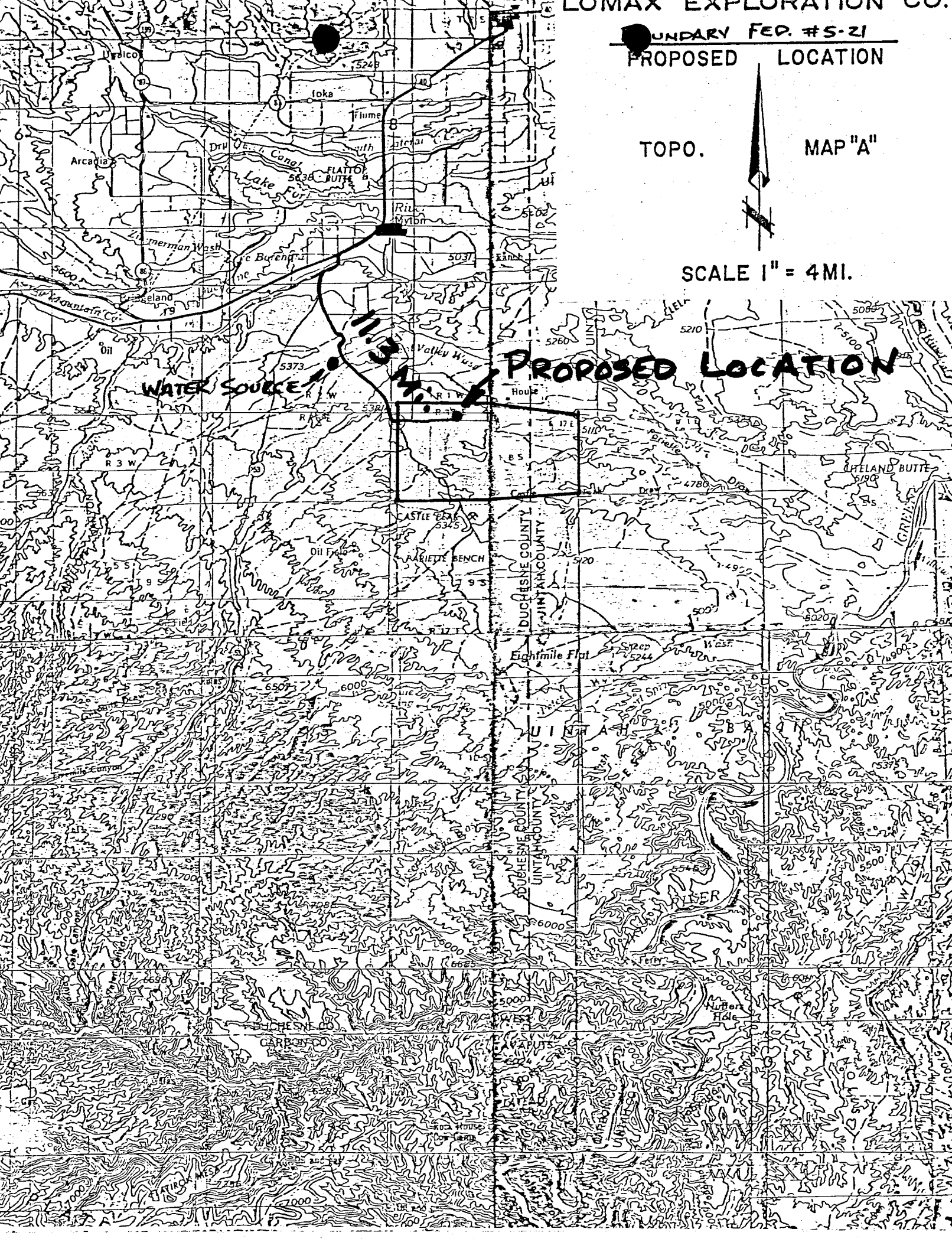
DIVISION OF
OIL, GAS & MINING

BOUNDARY FED. #5-21
PROPOSED LOCATION

TOPO.

MAP "A"

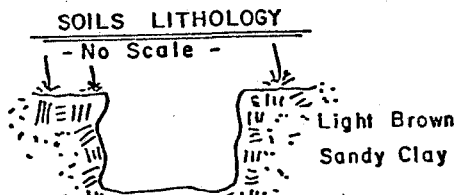
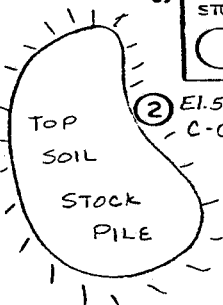
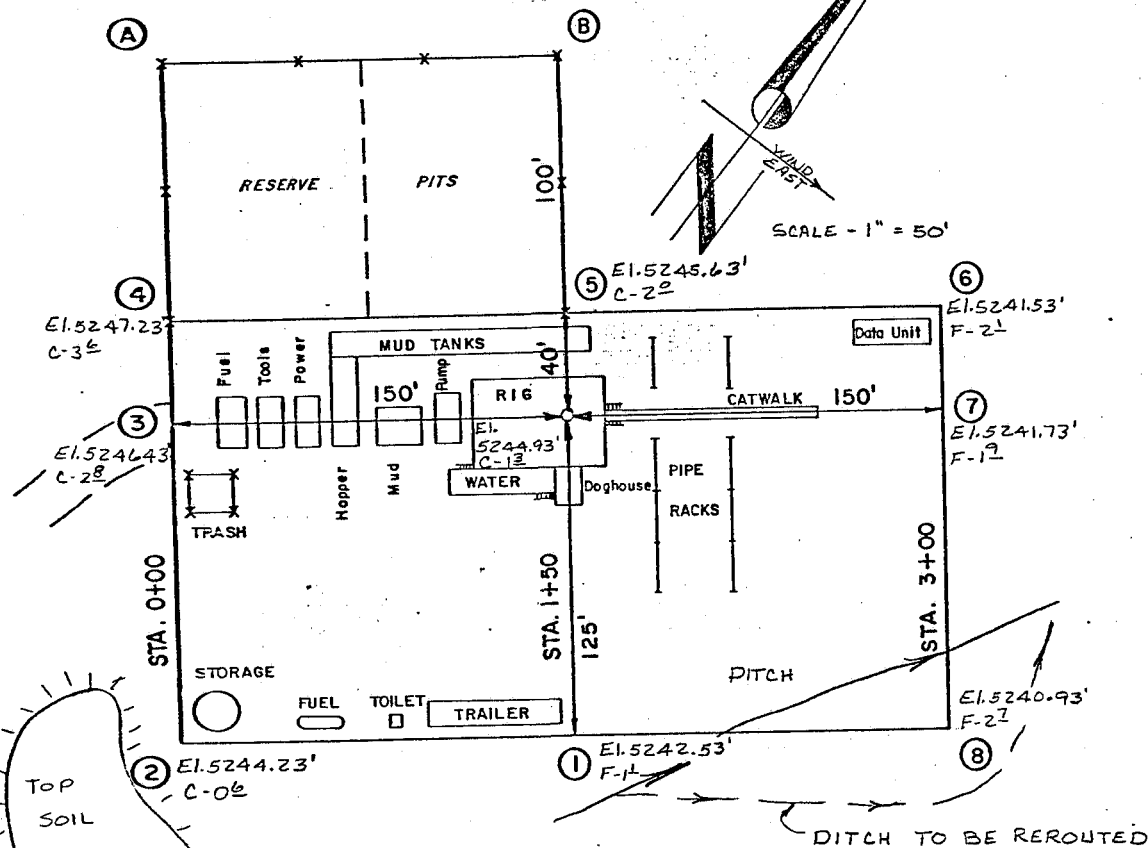
SCALE 1" = 4 MI.



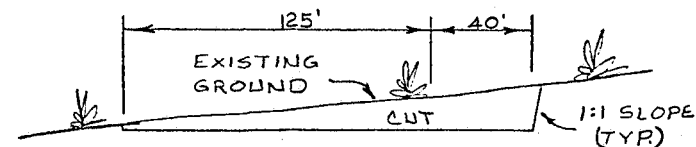
LOMAX EXPLORATION Co.

BOUNDARY FEDERAL #5-21

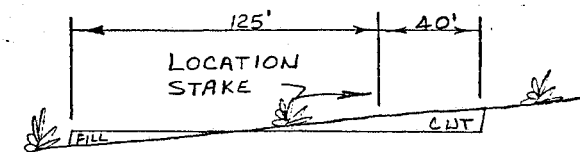
LOCATION LAYOUT & CUT SHEET



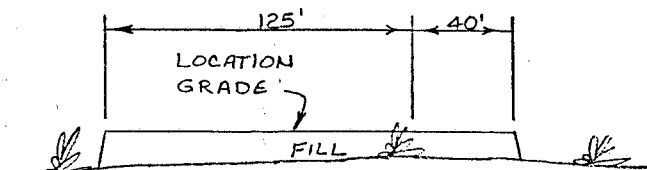
C
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STA. 0+00



STA. 1+50



STA. 3+00

1" = 10'

Scales

1" = 50'

APPROXIMATE YARDAGES

Cubic Yards Cut - 1,681

Cubic Yards Fill - 1,380

TEN POINT WELL PROGRAM

LOMAX EXPLORATION COMPANY
Boundary Federal #5-21
SW/NW Section 21, T8S, R17E
Duchesne County, Utah

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0 - 2735
Green River	2735
Wasatch	5800

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River	2735	
H Zone	3100	Sand & Shale - possible oil and gas shows
J Zone	4000	Sand & Shale - oil and gas shows anticipated
M Zone	5200	Sand & Shale - primary objective - oil

4. PROPOSED CASING PROGRAM:

8 5/8", J-55, 23#; set at 300'
5 1/2", J-55, 17#; set at TD
All casing will be new

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows:

A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure tests of BOP's to 1000# will be made prior to drilling surface plug and operation will be checked daily. (See exhibit A)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the "J" zone and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

LOMAX EXPLORATION COMPANY
Boundary Federal #5-21
SW/NW Section 21, T8S, R17E
Duchesne County, Utah

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered; nor that any other abnormal hazards such as H₂S gas will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence approximately September, 1983.

LOMAX EXPLORATION

13 Point Surface Use Plan

For

Well Location

Boundary Federal #5-21

Located In

Section 21, T8S, R17E, S.L.B. & M.

Duchesne County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach LOMAX EXPLORATION well location site Boundary Federal #5-21, located in the SW 1/4 NW 1/4 Section 21, T8S, R17E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 1.5 miles + to the Junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.5 miles to its junction with Utah State Highway 216; proceed Southeasterly along State Highway 216 6.0 miles to its junction with an existing dirt road to the East; proceed Easterly along this dirt road 2.2 miles to its junction with the proposed access road to be discussed in Item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to a point 3.4 miles South on Highway 216; thereafter the roads are constructed with existing areas they are located in, and range from clays to a sandy-clay shale material.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing areas they are located in, and range from clays to a sandy-clay shale material.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well will be maintained at the standards required by the B.L.M. or other controlling agencies. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the NW 1/4 SW 1/4 Section 21, T8S, R17E, S.L.B. & M., and proceeds in a Northerly direction approximately 530' + to the proposed location site.

The proposed access road will be an 18" crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be no culverts required along this access road, it will be placed according to specifications for culvert placement found in the oil and gas surface operations manual. (See Topo Map "B".)

There will be no turnouts required along this access road.

There are no fences encountered along this proposed road. There will be no new gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

3. LOCATION OF EXISTING WELLS

There are three known existing wells within a one mile radius of this location site. (See Topographic Map "B".)

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are three existing LOMAX EXPLORATION wells within a one mile radius of this location site. These locations have the following production facilities - two 300 barrel tanks, line heaters, pumping units and heater traces.

A tank battery site will be set up at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to an existing battery in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over existing roads and the proposed access road approximately 14.0 miles from the Duchesne River at a point where it crosses under U.S. Highway 40.

no permit on file 9-22-83

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHOD OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable chemical toilet will be provided for human waste.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpile topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lesser further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Green River is located approximately 16 miles to the Southeast of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that are visible, are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid regions and consists of area of sagebrushm rabbitbush some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mile deer, pronghorn antelope, coyotes, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grasing domestic sheep and cattle.

The birds of the area are raptors, finchesn ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B")

Boundary Federal #5-21 is located approximately 3.0 miles Southeast of Wells Draw a non-perennial drainage which runs to the North and East.

The terrain in the vicinity of the location sloipes from the North through the location site to the Southeast at approximately 2.1% grade.

The vegetation in the immediate area surrounding the location site consists of sage brush hay fields, and grasses with large areas devoid of any vegetation.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B".)

12. LESSS'S OR OPERATOR'S REPRESENTATIVE

Jack Pruitt
LOMAX EXPLORATION
333 North Belt East, Ste. 880
Houston, TX 77060

1-713-931-9276

13. CERTIFICATION

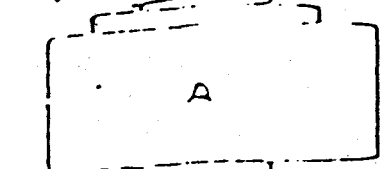
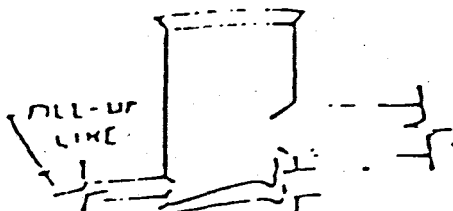
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of myknowledge tru and correct; and that the

work associated with the operation proposed herein will be performed by LOMAX EXPLORATION and its contractos and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

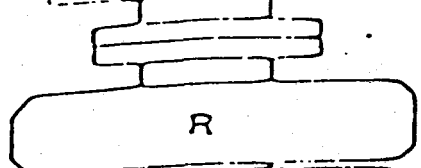
Date

9/13/83

Jack Pruitt



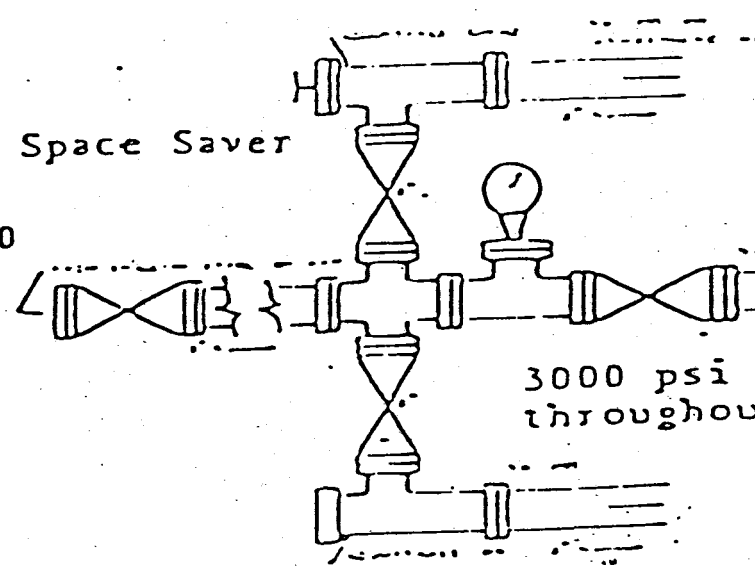
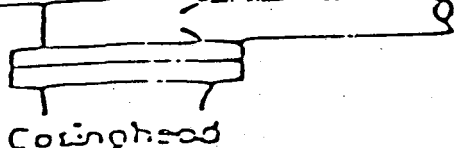
Shaffer Spherical
10" 900



Cameron Space Saver



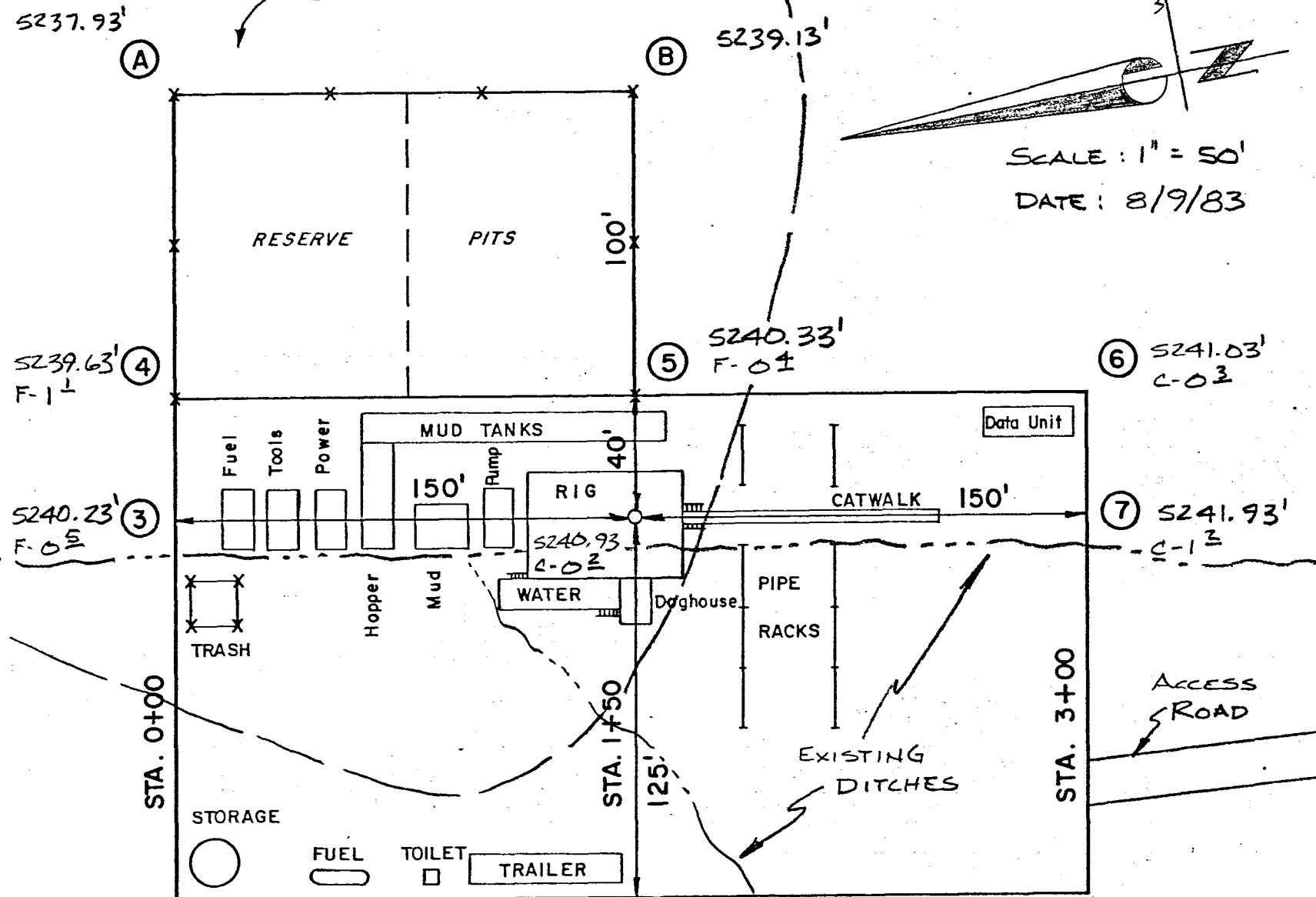
10" 900



LOMAX EXPLORATION CO.

BOUNDARY FED. #5-21

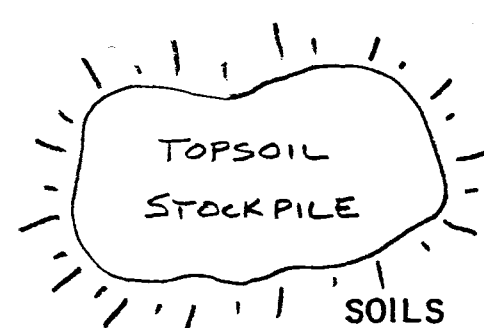
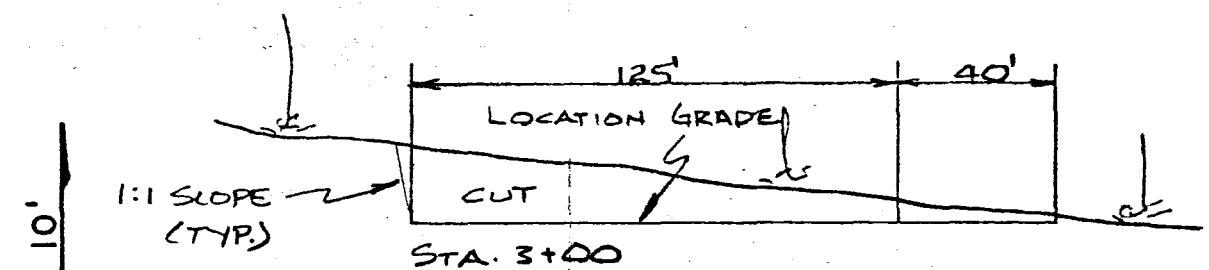
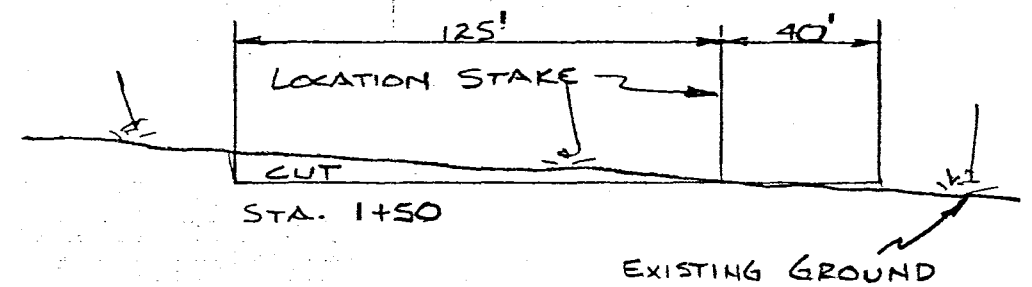
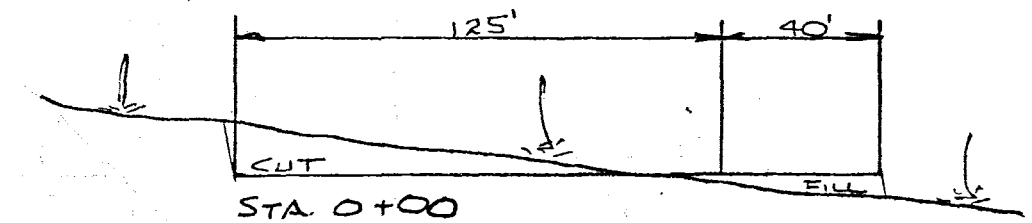
LOCATION LAYOUT & CUT SHEET.



SCALE: 1" = 50'

DATE: 8/9/83

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SOILS LITHOLOGY

- No Scale -



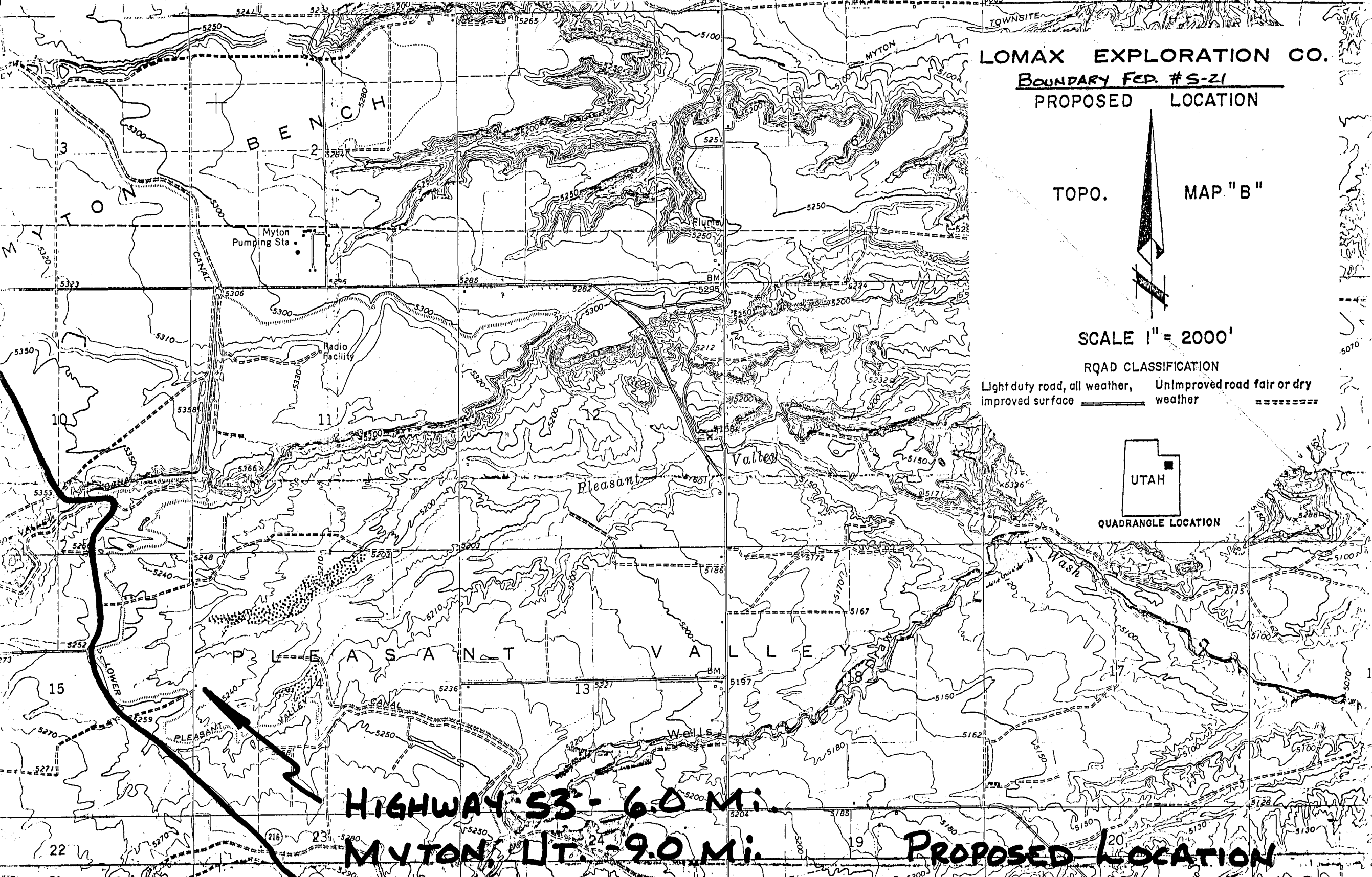
Scales

1" = 50'

APPROXIMATE YARDAGES

Cubic Yards Cut - 2,040

Cubic Yards Fill - 140



LOMAX EXPLORATION CO.
BOUNDARY FED. # S-21
PROPOSED LOCATION

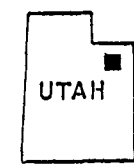
TOPO.

MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION

Light duty road, all weather, improved surface Unimproved road fair or dry weather



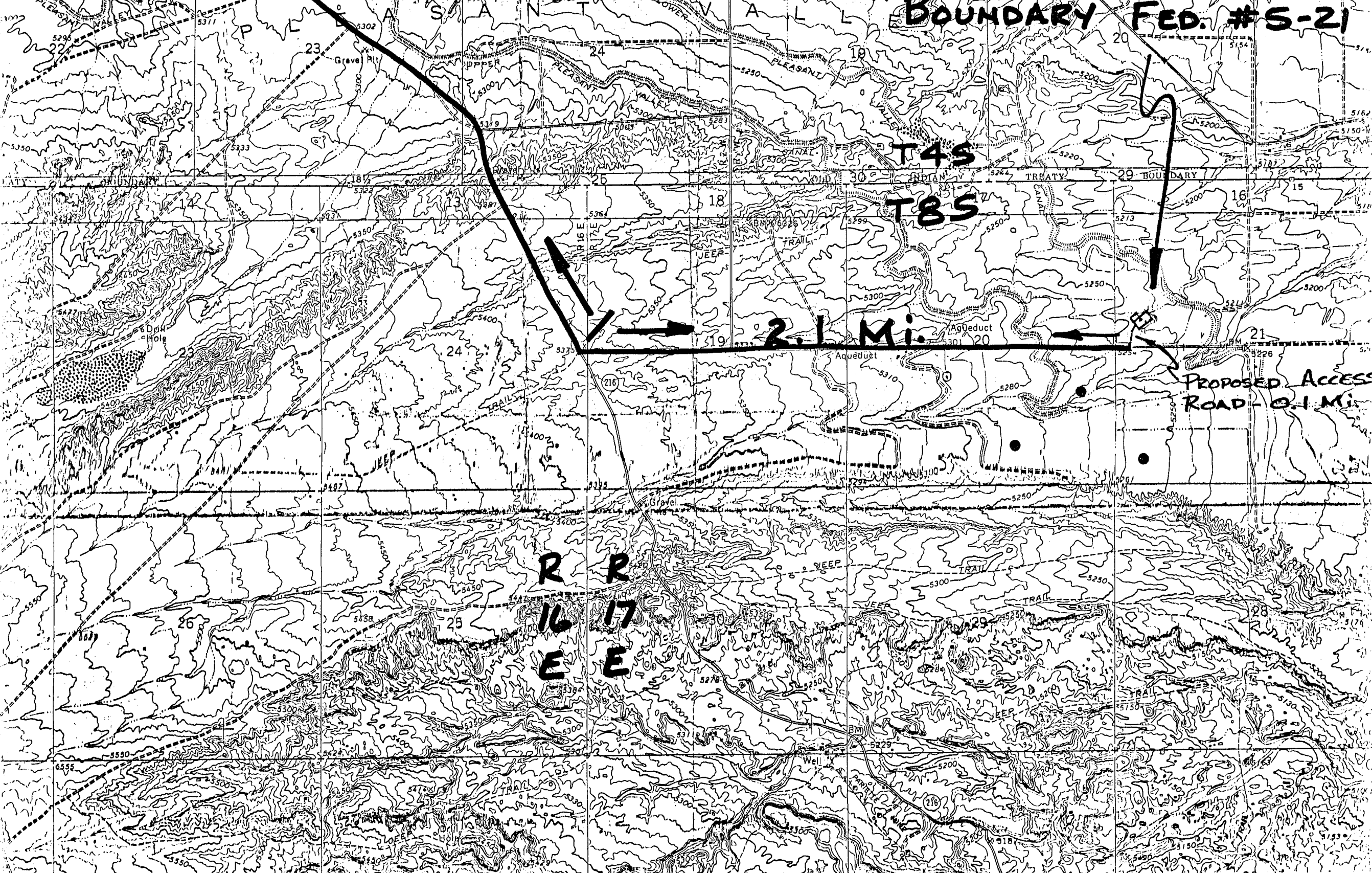
QUADRANGLE LOCATION

HIGHWAY S3 - 6.0 Mi.

MYTON, UT. - 9.0 Mi.

PROPOSED LOCATION

BOUNDARY FED. #S-21



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: LOMAX EXPLORATION COMPANY

WELL NAME: BOUNDRY FEDERAL 5-21

SECTION SWNW 21 TOWNSHIP 8S RANGE 17E COUNTY Duchesne

DRILLING CONTRACTOR Ram

RIG #

SPUDDED: DATE 5-24-84

TIME 3:30 PM

HOW Dry Hole Spud

DRILLING WILL COMMENCE TWT - RIG #55

REPORTED BY Jan

TELEPHONE # 931-9276

DATE 6-21-84 SIGNED GL

5
er 1983)
erly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

RECEIVED

2. NAME OF OPERATOR

Lomax Exploration Company

JUL 2 1984

3. ADDRESS OF OPERATOR

P.O. Box 4503, Houston, Texas 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

DIVISION OF OIL
GAS & MINING

660' FWL & 1981' FNL SW/NW

14. PERMIT NO.

43-013-30822

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5241' GR

5. LEASE DESIGNATION AND SERIAL NO.

U-50376

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Boundary Federal #5-21

9. WELL NO.

#5-21

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 21, T8S, R17E

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) SPUD

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5/24/84 - Drilled 13" surface hole w/dry hole digger to 300' GL.
Set 8 5/8", 24#, J-55 Casing at 257' GL. Cmted with 210 sx
Class "G" + 2% CaCl + 1/4#/sk flocele. Had cement returns
to surface.

6/21/84 Spud @ 3:30 AM on 6/21/84 w/Rig TWT #55.

18. I hereby certify that the foregoing is true and correct

SIGNED Paul Curry Paul Curry

TITLE Engineering Assistant

DATE June 21, 1984

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Temporarily Abandoned	5. LEASE DESIGNATION AND SERIAL NO. U-50376
2. NAME OF OPERATOR Lomax Exploration Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 4503 Houston, Texas 77210	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 600' FWL and 1981' FNL SW/NW 505 2103 per phone call to ELM 1-2-85	8. FARM OR LEASE NAME Boundary Federal
14. PERMIT NO. 43-013-30822	9. WELL NO. #5-21
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5241' GR	10. FIELD AND POOL, OR WILDCAT Undesignated
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 21, T8S, R17E
	12. COUNTY OR PARISH Duchesne
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Temporary Abandonment	
(Other)		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

After testing zones at 5350'-83' and 6154'-78', the well was temporarily abandoned by setting a bridge plug at 5240' KB. The well is currently shut-in.

RECEIVED
DEC 17 1984

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED Paul C. Pruitt G.L. Pruitt TITLE V.P. Drilling & Production DATE December 13, 1984
(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 12/19/84
BY: John R. Bay
*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1538 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Boundary Federal # 5-21

Operator Lomax Exploration Company Address P. O. Box 4503
Houston, Texas 77210

Contractor TWT Exploration, Inc. Address 1901 Prospector Square
Park City, Utah 84060

Location SW 1/4 NW 1/4 Sec. 21 T. 8S R. 17E County Duchesne

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	<u>No water encountered</u>		
2.	<u></u>		
3.	<u></u>		
4.	<u></u>		
5.	<u></u>		

(Continue of reverse side if necessary)

Formation Tops Wasatch 6698'

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.



December 13, 1984

U. S. Department of the Interior
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

Re: Boundary Federal #5-21
Section 21, T8S, R17E
Duchesne County, Utah
Lease No. U-50376
Permit No. 43-013-30822

Gentlemen:

Please find enclosed Well Completion Report and Sundry Notice for the referenced well.

Should you have any questions, please call.

Very truly yours,

Paul Curry
Engineering Assistant

da
cc: State of Utah
Division of Oil, Gas and Mining
355 W. North Temple
#3 Triad Center
Salt Lake City, Utah

RECEIVED
DEC 17 1984

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR Lomax Exploration Company							
3. ADDRESS OF OPERATOR P. O. Box 4503 Houston, Texas 77210							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660 FWL and 1981' FNL SW/NW At top prod. interval reported below 505 2103 At total depth _____							
14. PERMIT NO. 43-013-30822				DATE ISSUED 9-22-83			
15. DATE SPUDDED 5-24-84		16. DATE T.D. REACHED 7-1-84		17. DATE COMPL. (Ready to prod.) -		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5241' GR	
19. ELEV. CASINGHEAD 5241'		20. TOTAL DEPTH, MD & TVD 6858'					
21. PLUG, BACK T.D., MD & TVD 5240'		22. IF MULTIPLE COMPL., HOW MANY* -		23. INTERVALS DRILLED BY →		ROTARY TOOLS X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* N/A						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN GDL-CND, DLL-MSFL, CBL-GR						27. WAS WELL CORED No	

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	257'	13"	210 sx Class "G"+2% CaCl+1/4#/sk Flocele	
5-1/2"	17#	6460'	7-7/8"	165 sx Lodense & 375 sx Gypseal	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5350-56 (ISPF)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5375-83 (ISPF)		5350-83	18,800 gals. Gelled KCl water &
6154-63 (ISPF)			51,800# 20/40 sand
6170-78 (ISPF)		6154-78	25,000 gals 5% KCl water

33. PRODUCTION							
DATE FIRST PRODUCTION -		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) N/A				WELL STATUS (Producing or shut-in) Shut-in Temporary abandonment	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Paul Currey FOR G.L. Pruitt TITLE V.P. Drilling & Production DATE December 13, 1984

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Douglas Creek	5350	5357	Show	Garden Gulch	4250	
	5374	5385	Show	Douglas Creek Black Shale Facies Basal Green River Wasatch	5204 6038 6526 6698	



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 12, 1986

TO: Well File Memo

FROM: J.R. Baza *JRB*

RE: Well No. Boundary Federal 5-21, Sec.21, T.8S, R.17E,
Duchesne County, Utah

This well is properly designated as temporarily abandoned. A Sundry Notice dated December 13, 1984, indicates that a bridge plug was set in the well isolating the perforated interval. The well file should remain in TA status for the present time.

sb
0265T-45

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

111901

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

U-50376

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Boundary Federal

9. WELL NO.

#5-21

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 21, T8S, R17E

14. PERMIT NO.

43-013-30822

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5241' GR

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANE

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Temporarily Abandoned

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐
☒

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was temporarily abandoned on 8/26/84 due to uneconomical production rates. Further extension is requested due to economical reasons. Permanent abandonment is pending further evaluation.

RECEIVED
NOV 17 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

John R. Baya

TITLE Production Technician

DATE 11/13/86

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 11-17-86

BY: John R. Baya

Federal approval of this action
is required before commencing
operations.

*See Instructions on Reverse Side

Lomax Exploration Company

P.O. Box 1446
Roosevelt, Utah 84066
(801) 722-5103
FAX (801) 722-9149



October 8, 1991

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
Attention: Ed Forsman

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
Attention: Dan Jarvis

Boundary Federal #5-21
SW/NW Sec 21, T8S, R17E
Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" subsequent report on the casing integrity test and request for an extension of the TA status of the above referenced well.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,



Brad Mecham
Regional Production Manager

/ln

Enclosure

RECEIVED

OCT 15 1991

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP NOTE
(Other instruction re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Temporarily Abandoned	3. LEASE DESIGNATION AND SERIAL NO. U-50376
2. NAME OF OPERATOR LOMAX EXPLORATION COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 1446 W. Poleline Rd. Roosevelt, UT 84066	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FWL 1981' FNL SW/NW	8. FARM OR LEASE NAME Boundary Federal
14. PERMIT NO. <u>30860</u> 43-013-03822	9. WELL NO. #5-21
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5241' GR	10. FIELD AND POOL, OR WILDCAT Undesignated
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 21, T8S, R17E
	12. COUNTY OR PARISH Duchesne
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Temporarily Abandoned</u>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 10/6/91 Lomax Exploration Company conducted a casing integrity test on the Boundary Federal #5-21, in the presence of the BLM as follows:

Pumped 25 bbls of treated water down casing @ 140°.
Pressured casing to 500# - held for 30 min.

The subject well was temporarily abandoned on 8/26/84 due to uneconomical production rates. Further extension is requested due to economical reasons. This well is being evaluated for secondary recovery.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 10-18-91
BY: JP Matthews

RECEIVED

OCT 15 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED <u>Brad Meehan</u>	TITLE <u>Regional Prod. Manager</u>	DATE <u>10/8/91</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

*See Instructions on Reverse Side

Lomax Exploration Company

P.O. Box 1446
Roosevelt, Utah 84066
(801) 722-5103
FAX (801) 722-9149



December 8, 1992

RECEIVED

DEC 10 1992

DIVISION OF
OIL GAS & MINING

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
ATTN: Mr. Jamie Sparger

RE: Boundary Federal #5-21
Sec. 21, T8S, R17E
Duchesne, Co., Utah
Lease #U-50376

Dear Mr. Sparger:

Enclosed please find a Sundry Notice for the above referenced well.

Please don't hesitate to call me if you have any questions or require additional information.

Sincerely,

Brad Mecham
Regional Production Manager

Enclosures

cc: State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Three Triad Center - Suite #350
Salt Lake City, Utah 84180-1203

BM/kj

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL <input checked="" type="checkbox"/> WELL GAS <input type="checkbox"/> WELL OTHER <input type="checkbox"/> Temporarily Abandoned		5. LEASE DESIGNATION AND SERIAL NO. U-50376
2. NAME OF OPERATOR LOMAX EXPLORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 1446 W. Poleline Road Roosevelt, UT 84066		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 505 FWL 2103' FNL Loc. From 560' FWL 1981' FNL SW/NW eff. 11-10-83		8. FARM OR LEASE NAME Boundary Federal
14. PERMIT NO. 43-013-03822		9. WELL NO. #5-21
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5241' GR		10. FIELD AND POOL, OR WILDCAT Undesignated
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 21, T8S, R17E
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>	X	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Lomax Exploration Company requests approval to mill out CIBP and swab test the Boundary Federal #5-21. We anticipate the starting date of operations to be December 21, 1992.

A frac tank will be set on location and all swab fluids will go directly to this tank. Any water would be hauled to a approved disposal and any sellable oil would be transferred to the Boundary Federal #11-21. The Boundary Federal #11-21 is an approved B.L.M. location for oil sales.

If this well is determined economical, a tank battery will be built and it will be placed on production. A sundry will follow after the swabbing with the results of the testing.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 12-10-92

BY: J. Matthews

RECEIVED

DEC 10 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Brad Mechem
Brad Mechem
(This space for Federal or State office use)

TITLE Regional Prod. Mgr.

DATE 12/8/92

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

Lomax Exploration Company

P.O. Box 1446
Roosevelt, Utah 84066
(801) 722-5103
FAX (801) 722-9149



January 12, 1993

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
Attention: Ed Forsman

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

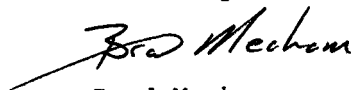
RE: Boundary Federal #5-21
SW/NW Sec. 21, T8S, R17E
Duchesne County, Utah

Gentlemen:

Please find enclosed the sundry notice placing the Boundary Federal #5-21 on temporary production.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,



Brad Mecham
Regional Production Manager

\ln
GOVT\FDSN.LTR

Enclosure

RECEIVED

JAN 15 1993

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 3 of 4

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

KEBBIE JONES
 LOMAX EXPLORATION COMPANY
 PO BOX 1446
 ROOSEVELT UT 84066

UTAH ACCOUNT NUMBER: N0580REPORT PERIOD (MONTH/YEAR): 6 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ FEDERAL 10-35								
4301330801	10835	08S 16E 35	GRRV			416535		
✓ FEDERAL 1-34						"		
4301330808	10835	08S 16E 34	GRRV			"		
✓ FEDERAL 14-35						"		
4301330812	10835	08S 16E 35	GRRV			"		
✓ MONUMENT FEDERAL 8-35						"		
4301331263	10835	08S 16E 35	GRRV			"		
✓ MONUMENT FEDERAL 10-34						"		
4301331371	10835	08S 16E 34	GRRV			"		
✓ MONUMENT FEDERAL 9-34						"		
4301331407	10835	08S 16E 34	GRRV			"		
✓ NUMENT FED 2A-35						"		
4301331437	10835	08S 16E 35	GRRV			"		
✓ MONUMENT FEDERAL 7-34						"		
4301331471	10835	08S 16E 34	GRRV			"		
✓ BOUNDARY FED 5-21						450376		
4301330822	11162	08S 17E 21	GRRV					
✓ STATE 1-32						ML22060		
4301330599	11486	08S 17E 32	GRRV					
✓ GILSONITE STATE 2-32						ML22060		
4301330604	11486	08S 17E 32	GRRV					
✓ STATE 11-32						"		
4301330685	11486	08S 17E 32	GRRV			"		
✓ STATE 1A-32						"		
4301330691	11486	08S 17E 32	GRRV					
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

Lomax Exploration Company

A subsidiary of Inland Resources Inc.



July 13, 1995

State of Utah Department of Natural Resources
Attention: Ms Becky Pritchett
355 W. North Temple
3 Triad Center, Suite 400
Salt Lake City, Utah 84180-1204

RE: Corporate Name Change

Dear Sir or Madame:

Effective July 1, 1995, Lomax Exploration Company will have taken the steps necessary to change its name to **Inland Production Company**. A Certificate issued by the Texas Secretary of State evidencing the name change is attached for your files. We have also attached to this letter those Utah State leases (Exhibit "B") and wells (Exhibit "A") affected by this name change. We have attempted to provide a complete list from the records we have. The intent is to include all leases and wells that Lomax Exploration Company operates or has an interest in.

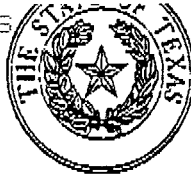
Riders changing the Principal from Lomax Exploration Company to Inland Production Company under Nationwide Oil and Gas Bond # 4488944 for Lomax Exploration Company will be furnished to the State of Utah in the very near future.

Please amend your records by substituting Inland Production Company in place of Lomax Exploration Company on the leases and wells listed on the attached exhibits. In the future we will begin submitting notices and permits for new operations after July 1, 1995 in the name of Inland Production Company.

Should a fee be required or should you need further information or documents relating to our name change please contact the undersigned at your convenience at the following number: (303) 292-0900 or Cheryl Cameron at our Roosevelt, Utah office (801) 722-5103.

Sincerely yours,

Chris A Potter, CPL
Manager of Land



The State of Texas

Secretary of State
JUNE 30, 1995

MIKE PARSONS...GLAST, PHILLIPS & MURRAY
2200 ONE GALLERIA TWR, 13355 NOEL RD, LB48
DALLAS ,TX 75240-6657

RE:
INLAND PRODUCTION COMPANY
CHARTER NUMBER 00415304-00

IT HAS BEEN OUR PLEASURE TO APPROVE AND PLACE ON RECORD YOUR ARTICLES OF AMENDMENT. A COPY OF THE INSTRUMENT FILED IN THIS OFFICE IS ATTACHED FOR YOUR RECORDS.

THIS LETTER WILL ACKNOWLEDGE PAYMENT OF THE FILING FEE.

IF WE CAN BE OF FURTHER SERVICE AT ANY TIME, PLEASE LET US KNOW.

VERY TRULY YOURS,




Antonio O. Garza, Jr., Secretary of State



The State of Texas

Secretary of State

CERTIFICATE OF AMENDMENT

FOR

INLAND PRODUCTION COMPANY

FORMERLY

LOMAX EXPLORATION COMPANY
CHARTER NUMBER 00415304

THE UNDERSIGNED, AS SECRETARY OF STATE OF THE STATE OF TEXAS,
HEREBY CERTIFIES THAT THE ATTACHED ARTICLES OF AMENDMENT FOR THE ABOVE
NAMED ENTITY HAVE BEEN RECEIVED IN THIS OFFICE AND ARE FOUND TO
CONFORM TO LAW.

ACCORDINGLY THE UNDERSIGNED, AS SECRETARY OF STATE, AND BY VIRTUE
OF THE AUTHORITY VESTED IN THE SECRETARY BY LAW, HEREBY ISSUES THIS
CERTIFICATE OF AMENDMENT.

DATED JUNE 29, 1995

EFFECTIVE JUNE 29, 1995




Antonio O. Garza, Jr., Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
LOMAX EXPLORATION COMPANY

FILED
In the Office of the
Secretary of State of Texas

JUN 29 1995

Corporations Section

Pursuant to the provisions of Part Four of the Texas Business Corporation Act, the undersigned corporation adopts the following articles of amendment to its Articles of Incorporation:

1. Name. The name of the corporation is LOMAX EXPLORATION COMPANY.
2. Statement of Amendment. The amendment alters or changes Article One of the original Articles of Incorporation to read in full as follows:

"Article One. The name of the corporation is INLAND PRODUCTION COMPANY."
3. Shareholders. The number of shares of the corporation outstanding at the time of such adoption was 205,315, there being 107,546 Common Shares and 97,769 Non-voting Preferred Shares; and the number of shares entitled to vote thereon was 107,546.
4. Adoption by Shareholders. Only the holders of Common Shares of the corporation are entitled to vote on the amendment. The shareholders adopted the foregoing amendment by unanimous written consent dated June 23, 1995, pursuant to the provisions of Article 9.10 of the Texas Business Corporation Act and, therefore, no notice was required to be delivered under said Article 9.10.
5. Adoption by Board of Directors. The Board of Directors adopted said amendment by a consent in writing signed by all Directors.
6. Future Effective Date. This amendment will become effective on July 1, 1995, at 12:01 a.m.

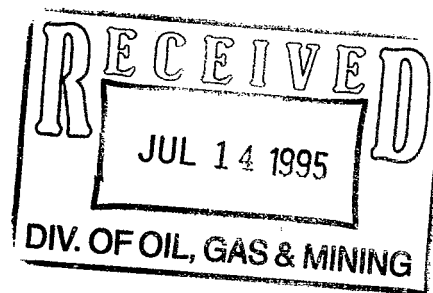
EXECUTED June 26, 1995.



Kyle R. Miller, President

Lomax Exploration Company

A subsidiary of Inland Resources Inc.



Announcing
Our Name Change

From

Lomax Exploration Company

To

**Inland Production
Company**

** N 5160 assigned 7/26/95. Lee*

Field And Corporate Office Locations Remain The Same:

Corporate Office:

Inland Resources Inc.

475 Seventeenth Street, Suite 1500

Denver, CO 80202

Field Office:

W. Pole Line Road

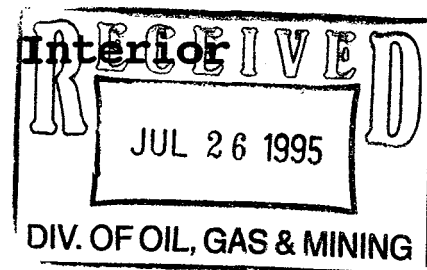
P.O. Box 1446

Roosevelt, Utah 84066

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155



JUL 25 1995

IN REPLY REFER TO:
3100
SL-065914 et al
(UT-923)

NOTICE

Inland Production Company	:	Oil and Gas Leases
475 Seventeenth St., Ste. 1500	:	SL-065914 et al
Denver, Colorado 80202	:	

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Lomax Exploration Company to Inland Production Company on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

For our purposes, the name change is recognized effective June 29, 1995 (Secretary of State's approval date).

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Lomax Exploration Company to Inland Production Company on Bond No. 4488944 (BLM Bond No. UT0056). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to this office. BLM Bond Nos. MT0771 and WY0821 should also be changed for the bonds held by Montana and Wyoming respectively.

/s/ ROBERT LOPEZ

Chief, Branch of Mineral
Leasing Adjudication

Enclosure
1-Exhibit (1 p)

cc: Hartford Accident & Indemnity Co.
Hartford Plaza
Hartford, CT 06115

bc: Moab District Office
Vernal District Office
Montana State Office
Wyoming State Office
Eastern States Office
MMS--Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217
State of Utah, Attn: Lisha Cordova, Division of Oil, Gas & Mining,
355 West North Temple, 3 Triad Center, Suite 350, SLC, UT 84180
Teresa Thompson (UT-922)
Dianne Wright (UT-923)

EXHIBIT

SL-065914	U-36846	UTU-66185
SL-071572A	U-38428	UTU-67170
U-02458	U-45431	UTU-68548
U-15855	U-47171	UTU-69060
U-16535	U-50376	UTU-69061
U-26026	U-62848	UTU-72103
U-34173	UTU-65965	UTU-72104
U-36442	UTU-66184	UTU-73088

FAX COVER SHEET



RESOURCES INC.
475 17th Street, Suite 1500
Denver, CO 80202
303-292-0900, Fax #303-296-4070

DATE: August 8, 1995
TO: Lisha Cordova
COMPANY: State of Utah - Division of Oil, Gas and Mining
FAX NUMBER: 801 359 3940
FROM: Chris A Potter

NUMBER OF PAGES: 1 (INCLUDING COVER SHEET):

RE: Transfer of Authority to Inject
Lomax Exploration Company to Inland Production Company

I hope the info I sent to you August 1st was acceptable regarding our name change and your phone call to me last week.....

If there is anything missing or you need additional info, please let me know. I am located in our Denver office.....

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

Routing: (GIL)	
1-PL	7-PL
2-LWP	8-SJ
3-DTS	9-FILE
4-VLC	
5-RJF	
6-LWP	

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

(MERGER)

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 6-29-95)

TO (new operator) INLAND PRODUCTION COMPANY
 (address) PO BOX 1446
ROOSEVELT UT 84066
KEBBIE JONES
 phone (801) 722-5103
 account no. N 5160

FROM (former operator) LOMAX EXPLORATION COMPANY
 (address) PO BOX 1446
ROOSEVELT UT 84066
KEBBIE JONES
 phone (801) 722-5103
 account no. N 0580

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>013-30822</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 7-14-95)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- Sec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) (no) If yes, show company file number: _____ (7-28-95)
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (7-31-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-16-95
- LWP 7. Well file labels have been updated for each well listed above. 8-22-95
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (7-31-95)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) *Trust Lands Admin. / Rider or Repl. in Progress.*

- N/A Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19__.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19__, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- OTS 2. Copies of documents have been sent to State Lands for changes involving State leases.
8/23/95 Sent to Ed Bunker

FILMING

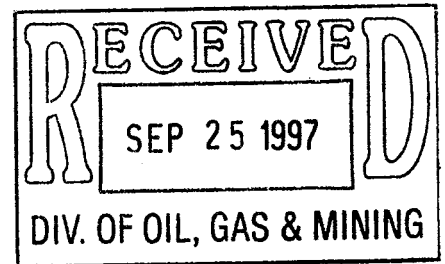
- ✓ 1. All attachments to this form have been microfilmed. Date: August 30 1995.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950726 Blm/SL Aprv. eff. 6-29-95.



INLAND PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

BOUNDARY FEDERAL #5-21

AREA PERMIT NO. UT-2702-00000

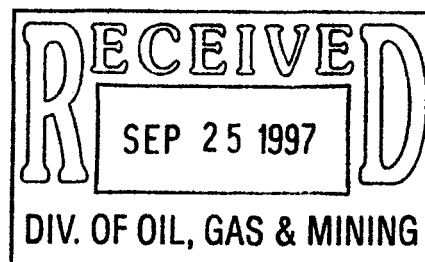
LEASE NO. U-50376

SEPTEMBER 15, 1997

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company
ADDRESS P.O. Box 790233 Vernal, UT 84079



Well name and number: Boundary Federal #5-21

Field or Unit name: Boundary Area Permit No. UT2702-00000 Lease no. U-50376

Well location: QQ SWNW section 26 township 8S range 17E county Duchesne

Is this application for expansion of an existing project? Yes ☒ No ☐

Will the proposed well be used for:

Enhanced Recovery?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Disposal?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Storage?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Is this application for a new well to be drilled? Yes ☐ No ☒

If this application is for an existing well,
has a casing test been performed on the well? Yes ☒ No ☐

Date of test: 8/4/84

API number: 43-013-30822

Proposed injection interval from 5350' to 6178'

Proposed maximum injection: rate 1000 BPD pressure 1678# psig

Proposed injection zone contains ☐ oil, ☐ gas, and/or ☐ fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Exhibits "A" through "G-2"

I certify that this report is true and complete to the best of my knowledge.

Name Brad Mecham

Signature *Brad Mecham*

Title District Manager

Date 9-19-97

Phone No. (801) 722-5103

(State use only)

Application approved by _____ Title _____

Approval Date _____

Comments:

REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1

- 1) Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2) A request for agency action for authority for the injection of gas, liquefied petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:

2.1. *The name and address of the operator of the project;*

Answer: Inland Production Company
P.O. Box 1446
W. Poleline Road
Roosevelt, Utah 84066

2.2. *A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-quarter mile radius of the project area;*

Answer: Reference Exhibit "A".

2.3. *A full description of the particular operation for which approval is requested;*

Answer: To approve the conversion of the Boundary Federal #5-21 from a producing oil well to a water injection well in the Boundary area in the Monument Butte Field; and to approve the installation of an injection line. The line would leave the injection facility at the Boundary Federal #11-21, and proceed northwesterly approximately 2500' \pm , to the proposed Boundary Federal #5-21 injection well. The proposed injection line would be a 3" coated steel pipe, buried 5' below surface and would provide injection water to the Boundary Federal #5-21, from our existing water injection line. Reference Exhibit "B".

2.4. *A description of the pools from which the identified wells are producing or have produced;*

Answer: The proposed injection well will inject into the Green River Formation.

2.5. *The names, description and depth of the pool or pools to be affected;*

Answer: The Green River Formation pool targeted for injection is the D-2 sand with a gamma ray derived top @ 5375', and in the CP sd with a gamma ray derived top @ 6154'. The injection zone is a porous and permeable lenticular calcareous sandstone. The porosity of the sandstone is intergranular. The confining impermeable stratum directly above at (5254',) and below at (6525') the injection zones are composed of tight, moderately calcareous lacustrine shale.

2.6. *A copy of a log of a representative well completed in the pool;*

Answer: Referenced log Boundary Federal #5-21 currently on file with the Utah Division of Oil, Gas & Mining.

- 2.7. *A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily;*

Answer: Culinary water from Johnson Water District supply line.

Estimated Injection Rate:	Estimated Average	300 BPD
	Estimated Maximum	1000 BPD

- 2.8. *A list of all operators or owners and surface owners within a one-quarter mile radius of the proposed project;*

Answer: Reference Exhibit "C".

- 2.9. *An affidavit certifying that said operators or owners and surface owners within a one-quarter mile radius have been provided a copy of the petition for injection;*

Answer: Reference Exhibit "D".

- 2.10. *Any additional information the Board may determine is necessary to adequately review the petition.*

Answer: Inland will supply any additional information requested by the Utah Division of Oil Gas & Mining Board.

- 4.0. *Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the board after notice and hearing or by administrative approval.*

Answer: This proposed injection well is within the Boundary area in the Monument Butte Field and the request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE
AND ENHANCED RECOVERY WELLS
SECTION V - RULE 615-5-2**

- 1) Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2) The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:

2.1. *A plat showing the location of the injection well, all abandoned or active wells within a one-quarter mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-quarter mile radius of the proposed injection well;*

Answer: Reference Exhibits "A" and "C".

2.2. *Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity;*

Answer: All logs are on file with the Utah Division of Oil Gas & Mining.

2.3. *A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented;*

Answer: A copy of the cement bond log is on file with the Utah Division of Oil, Gas & Mining

2.4 *Copies of log already on file with the Division should be referenced, but need not to be refiled.*

Answer: All copies are on file with the Utah Division of Oil, Gas & Mining.

2.5 *A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well;*

Answer: The casing program is 8-5/8" 24# J-55 surface casing run to 270' KB, and the 5 1/2" casing from surface to 6460'. A casing integrity test will be conducted at time of conversion. Reference Exhibits "E-1" through "E-3".

2.6. *A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.*

Answer: Culinary water from Johnson water line at our pre approved Boundary supply line. Reference Exhibit "B". Estimated Injection Rate:

Average	300 BPD
Maximum	1000 BPD

2.7. *Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.*

Answer: A standard laboratory analysis of (1) the fluid to be injected (Johnson water), (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids. Reference Exhibits "F-1" through "F-4"

- 2.8. *The proposed average and maximum injection pressures;*

Answer: Proposed average and maximum injection pressures;

The proposed average and maximum injection pressure for the Boundary Federal #5-21 averages approximately .72 psig/ft.

- 2.9. *Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata;*

Answer: The frac gradient for the Boundary Federal #5-21, for existing zones (5350'-6178') averages approximately .72 psig/ft. The maximum injection pressures will be kept below this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. Reference Exhibit "G."

Proposed Maximum Injection Pressure: $P_m = [.72 - (.433)(1.004)] \quad 5350'$
 $P_m = 1678$

- 2.10. *Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent;*

Answer: In the Boundary Federal #5-21, the injection zone is in the D-2 sand (5350'-5383'), and in the CP sd (6154'-6178'), contained within the Douglas Creek member of the Green River Formation. The reservoir is a very fine grain sandstone with minor interbedded shale streaks. The top of the Douglas Creek Member, estimated at approximately 5254'. The estimated average porosity is 14%; the estimated fracture pressure is 1678# psi.

The confining stratum directly above the injection zone is the Douglas Ck Mkr of the Green River Formation, and the Basal Carbonate below. (Douglas Ck @ 5254', and the Basal Carb @ 6525'.) The strata confining the injection zone is composed of tight, moderately calcareous sandy lacustrine shale. All of the confining strata is impermeable and it will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it. Maps and cross sections to the Boundary area are on file with the Division of Oil, Gas & Mining.

- 2.11. *A review of the mechanical condition of each well within a one-quarter mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals;*

Answer: Exhibits "E-1" through "E-3".

The injection system will be equipped with high and low pressure shut-down devices which will automatically shut-in injection waters if a system blockage or leakage occurs. One way check valves will also insure proper flow management. Relief valves will also be utilized for high pressure relief.

- 2.12. *An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-quarter mile radius of the proposed injection well;*

Answer: Exhibit "D".

- 2.13. *Any other additional information that the Board or Division may determine is necessary to adequately review the application.*

Answer: Inland Production Company will await review of this application and additional information will be submitted if required.

- 3) Applications for injection wells which are within a recovery project area will be considered for approval.
 - 3.1. Pursuant to Rule 615-5-1-3
 - 3.2. Subsequent to Board approval of a recovery project pursuant to Rule 615-5-1-3.
- 4) Approval of an injection well is subject to the requirements of Rule 615-5-4, if the proposed injection interval can be classified as an USDW.
- 5) In addition to the requirements of this section, the provisions of Rule 615-3-1, R615-3-4, R615-3-24, R615-3-32, R615-8-1 and R615-10 apply to all Class II injection wells.

INLAND PRODUCTION COMPANY

**Boundary Federal #5-21
SW/NW Sec. 21, T8S, R17E
Duchesne County, Utah**

PLUGGING & ABANDONMENT PLAN

The plugging and abandonment plan consists of the following plugs:

- PLUG #1:** Set 150' balanced plug inside 5 ½" csg from 3850' - 3700'. Circ well to 2200' w/ 9.2 PPG fluid.
- PLUG #2:** Set 150' balanced plug inside 5 ½" csg from 2400'-2250'. Circ well to 320' w/ 9.2 PPG fluid.
- PLUG #3:** RIH w/ perforation. Perf 2' @ SPF 50' below the surface csg shoe @ 348'. RIH w/ tbg to 50' above the surface csg shoe @ 214', circ cmt to surface.
- PLUG #4:** 10 sx plug @ surface.
- Install dry hole marker & restore location.

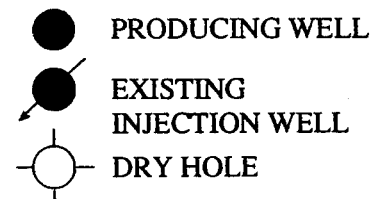
BOUNDARY DUCHESNE COUNTY, UTAH MINERAL RIGHTS



LESSEE: ELMER & LEE MOON
(GRAZING RIGHTS ONLY)

EXHIBIT "B"

Legend



BOUNDARY FEDERAL 5-21 6858 TD

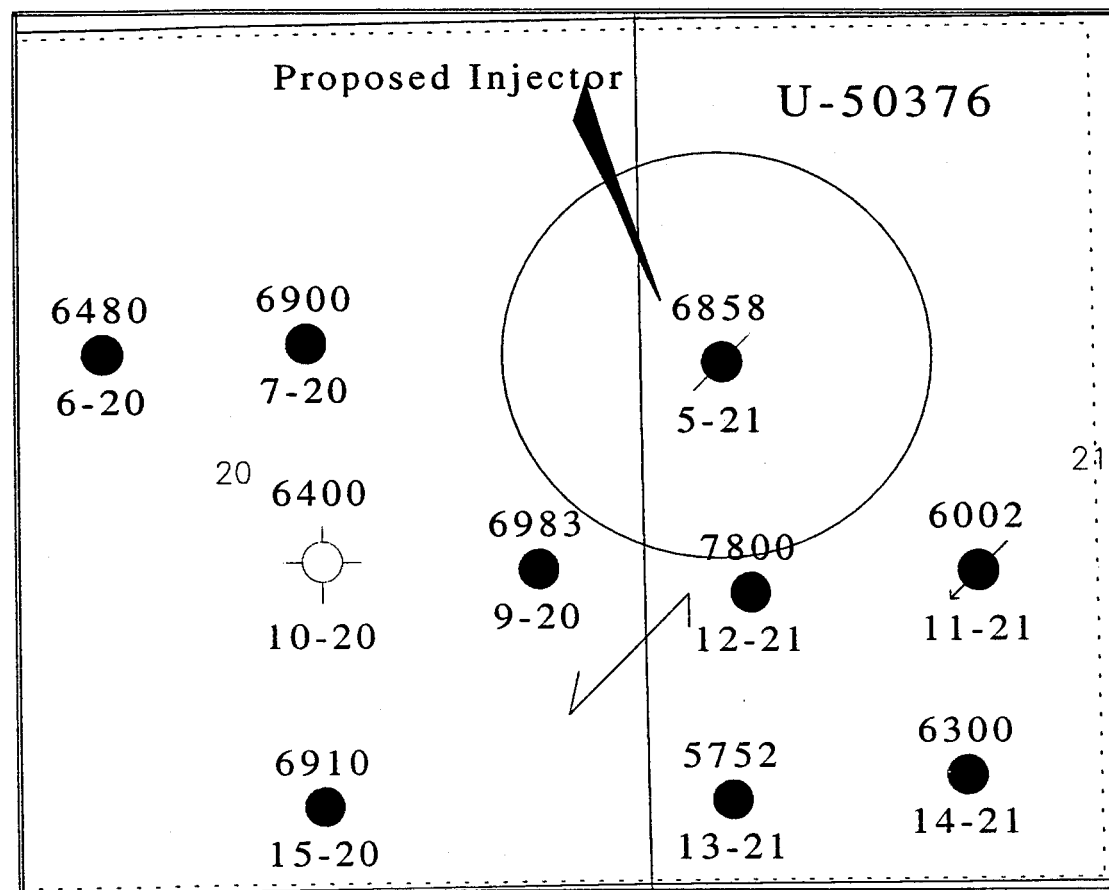


EXHIBIT B

Page 2

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights Grazing Rights Leased by
1	Township 8 South, Range 17 East Section 17: All Section 18: Lots 1 & 2 Section 19: E/2, SW/4 Section 20: All Section 21: NW/4, S/2	U-50376 HBP	Inland Production Company	(Surface Rights) USA Inland Resources Inc. Brad Lee Nelson JoAnn H. Nelson Ethan Lee Nelson Louise M. Nelson Mt. Olympus Realty Inc. Stephen Horne Nancy Horne George K. Prothero (Grazing Rights) Lee Moon Elmer Moon

EXHIBIT "C"

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights Grazing Rights Leased by
1	Township 8 South, Range 17 East Section 17: All Section 18: Lots 1 & 2 Section 19: E/2, SW/4 Section 20: All Section 21: NW/4, S/2	U-50376 HBP	Inland Production Company	(Surface Rights) USA Inland Resources Inc. Brad Lee Nelson JoAnn H. Nelson Ethan Lee Nelson Louise M. Nelson Mt. Olympus Realty Inc. Stephen Horne Nancy Horne George K. Prothero (Grazing Rights) Lee Moon Elmer Moon

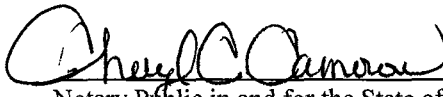
EXHIBIT "D"

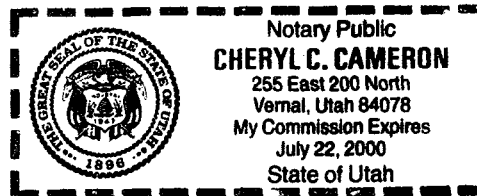
RE: Application for Approval of Class II Injection Well
Boundary Federal #5-21.

I certify that a copy of the application has been provided to all surface owners within a one-quarter mile radius of the proposed injection well.


INLAND PRODUCTION COMPANY
Brad Mechem
District Manager

Sworn to and subscribed before me this 22 day of September 1997.


Notary Public in and for the State of Utah

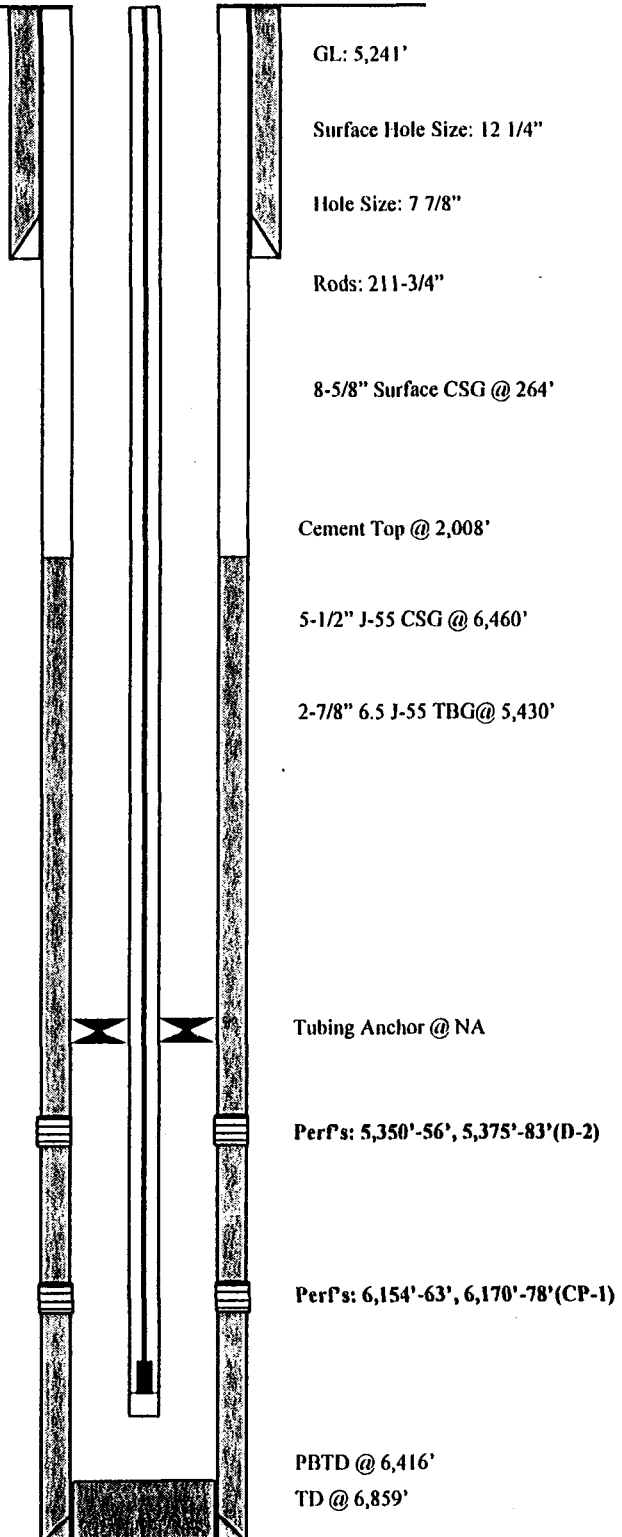


Boundary Federal #5-21

Wellbore Diagram

Well History:

6-21-84 Spud Well
 8-5-84 Perf: 5,375'-5,383', 5,350'-5,356'
 8-9-84 Frac d-2 zone as follows:
 Totals 18,800 gal, 51,800# 20/40 sd
 Max TP 3,500 @ 24 BPM
 Avg TP 2,000 @ 25 BPM
 ISIP 1,650, after 5 min 1,160
 8-23-84 Perf: 6,154'-6,163', 6,170'-6,178'
 Frac CP-1 zone as follows:
 Totals 2,500 gal,
 Avg TP 2,100 @ 5 BPM
 9-11-95 SHUT IN. Pull Rods and Tbg.



Inland Resources Inc.

Boundary Federal #5-21

660 FWL 1981 FNL

SWNW Section 21-T8S-R17E

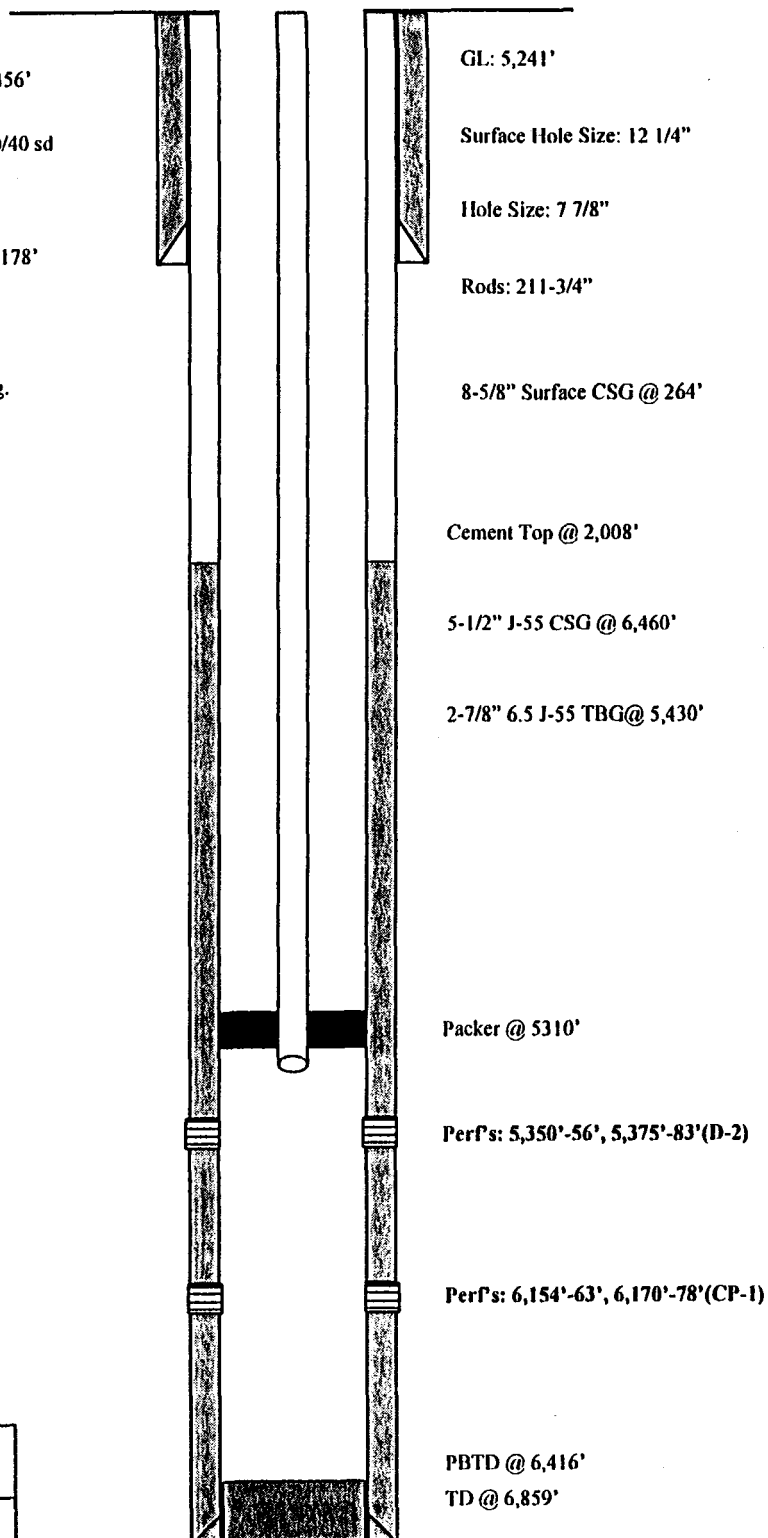
Duchesne Co, Utah

API #43-013-30822; Lease #U-50376

Boundary Federal #5-21

Well History:

6-21-84 Spud Well
 8-5-84 Perf: 5,375'-5,383', 5,350'-5,356'
 8-9-84 Frac d-2 zone as follows:
 Totals 18,800 gal, 51,800# 20/40 sd
 Max TP 3,500 @ 24 BPM
 Avg TP 2,000 @ 25 BPM
 ISIP 1,650, after 5 min 1,160
 8-23-84 Perf: 6,154'-6,163', 6,170'-6,178'
 Frac CP-1 zone as follows:
 Totals 2,500 gal,
 Avg TP 2,100 @ 5 BPM
 9-11-95 SHUT IN. Pull Rods and Tbg.

Proposed Injection
Diagram

Inland Resources Inc.

Boundary Federal #5-21

660 FWL 1981 FNL

SWNW Section 21-T8S-R17E

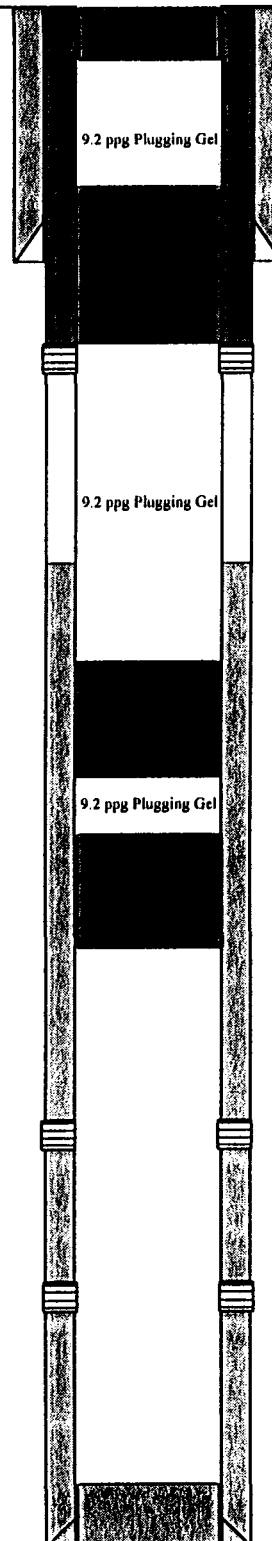
Duchesne Co, Utah

API #43-013-30822; Lease #U-50376

Boundary Federal #5-21

Well History:

6-21-84	Spud Well
8-5-84	Perf: 5,375-5,383', 5,350'-5,356'
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8-23-84	Perf: 6,154'-6,163', 6,170'-6,178'
	Frac CP-1 zone as follows: Totals 2,500 gal, Avg TP 2,100 @ 5 BPM
9-11-95	SHUT IN. Pull Rods and Tbg.

Proposed Plugging
Diagram

GL: 5,241'

Plug #4 10 sxs plug @ surface

Plug #3 RIH w/perforation. Perforate 2' @ 2spf 50' below the surface csg shoe @ 314'. RIH w/tbg to 50' above the surface csg shoe @ 214', circulate cement to surface, circ to surface w/9.2 PPG plugging gel.

Perf 314'

Hole size: 7-7/8" bit

8-5/8" Surface CSG @ 264'

Cement Top @ 2,008'

Plug #2 set 150' balanced plug inside 5-1/2" csg from 2,400'-2,250' circ well to 320' w/9.2 PPG plugging gel

Plug #1 Set 150' balanced plug inside 5-1/2" csg from 3,850'-3,700' circ well to 2200' w/9.2 PPG plugging gel

5-1/2" J-55 CSG @ 6,460'

Perf's: 5,350'-56', 5,375'-83'(D-2)

Perf's: 6,154'-63', 6,170'-78'(CP-1)

PBTD @ 6,416'

TD @ 6,859'



Inland Resources Inc.

Boundary Federal #5-21

660 FWL 1981 FNL

SWNW Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-30822; Lease #U-50376

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727**WATER ANALYSIS REPORT**Company INLAND Address _____ Date 02-03-97Source BF 7-21 Date Sampled 01-30-97 Analysis No. _____

Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.8</u>	
2. H ₂ S (Qualitative)	<u>3.0</u>	
3. Specific Gravity	<u>1.004</u>	
4. Dissolved Solids	<u>11,376</u>	
5. Alkalinity (CaCO ₃)	<u>120</u>	
6. Bicarbonate (HCO ₃)	<u>1,500</u>	÷ 61 <u>25</u> HCO ₃
7. Chlorides (Cl)	<u>5,300</u>	÷ 35.5 <u>149</u> Cl
8. Sulfates (SO ₄)	<u>360</u>	÷ 48 <u>8</u> SO ₄
9. Calcium (Ca)	<u>16</u>	÷ 20 <u>1</u> Ca
10. Magnesium (Mg)	<u>2</u>	÷ 12.2 <u>0</u> Mg
11. Total Hardness (CaCO ₃)	<u>50</u>	
12. Total Iron (Fe)	<u>0.4</u>	
13. Manganese		
14. Barium (Qualitative)		
15. Phosphate Residuals		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Eqvly. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>1</u>			<u>81</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17				
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>24</u>			<u>2,016</u>
Na ₂ SO ₄	71.03	<u>8</u>			<u>568</u>
NaCl	58.46	<u>149</u>			<u>8,711</u>

Saturation Values	Distilled Water 20°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,090 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

02-05-97

WATER DESCRIPTION: BF 7-21

	INPUT ANALYSIS	VALUES USED IN CALCULATIONS
P-ALK AS PPM CaCO ₃	120	120
M-ALK AS PPM CaCO ₃	1500	1500
SULFATE AS PPM SO ₄	360	360
CHLORIDE AS PPM Cl	5300	5300
HARDNESS AS PPM CaCO ₃	50	50
CALCIUM AS PPM CaCO ₃	16	16
MAGNESIUM AS PPM CaCO ₃	2	2
SODIUM AS PPM Na	4163	4163
BARIUM AS PPM Ba	0	
STRONTIUM AS PPM Sr	0	
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	11376	10730
TEMP (DEG-F)	100	
SYSTEM pH	8.8	
pH		8.8

RESULTS:

IONIC STRENGTH-MOLAL	.177
SPECIFIC GRAVITY (EST. VALUE)	1.01
TOTAL DISSOLVED SOLIDS-PPM (EST. VALUE)	10730

SCALING PREDICTIONS OVER A RANGE OF TEMPERATURES:

DEG-F	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
80	.50	3	0	0	0
100	.73	4	0	0	0
120	1	5	0	0	0
140	1.31	5	0	0	0
160	1.55	5	0	0	0
180	1.90	5	0	0	0
200	2.28	5	0	0	0

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

02-05-97

WATER DESCRIPTION:	BOUNDARY INJECTIO	BF 7-21
P-ALK AS PPM CaCO ₃	0	120
M-ALK AS PPM CaCO ₃	400	1500
SULFATE AS PPM SO ₄	40	360
CHLORIDE AS PPM Cl	530	5300
HARDNESS AS PPM CaCO ₃	180	50
CALCIUM AS PPM CaCO ₃	64	16
MAGNESIUM AS PPM CaCO ₃	5	2
SODIUM AS PPM Na	19	4163
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1443	11376
TEMP (DEG-F)	100	100
SYSTEM pH	7.6	8.8

WATER COMPATIBILITY CALCULATIONS
 BOUNDARY INJECTIO AND BF 7-21
 CONDITIONS: TEMP.=100AND pH=8.2
 WATER ONE IS BOUNDARY INJECTIO

% OF WATER # 1	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.68	17	0	0	0
90	.70	16	0	0	0
80	.70	14	0	0	0
70	.67	13	0	0	0
60	.64	11	0	0	0
50	.59	10	0	0	0
40	.53	8	0	0	0
30	.46	6	0	0	0
20	.37	5	0	0	0
10	.26	3	0	0	0
0	.13	1	0	0	0

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

02-05-97

WATER DESCRIPTION:	MONUMENT BUTTE IN	BF 7-21
P-ALK AS PPM CaCO ₃	0	120
M-ALK AS PPM CaCO ₃	450	1500
SULFATE AS PPM SO ₄	50	360
CHLORIDE AS PPM Cl	350	5300
HARDNESS AS PPM CaCO ₃	140	50
CALCIUM AS PPM CaCO ₃	40	16
MAGNESIUM AS PPM CaCO ₃	10	2
SODIUM AS PPM Na	345	4163
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1227	11376
TEMP (DEG-F)	100	100
SYSTEM pH	7.2	8.8

WATER COMPATIBILITY CALCULATIONS
 MONUMENT BUTTE IN AND BF 7-21
 CONDITIONS: TEMP.=100AND pH=8
 WATER ONE IS MONUMENT BUTTE IN

% OF WATER # 1	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.31	6	0	0	0
90	.33	6	0	0	0
80	.32	6	0	0	0
70	.30	5	0	0	0
60	.28	4	0	0	0
50	.24	4	0	0	0
40	.19	3	0	0	0
30	.14	2	0	0	0
20	.08	1	0	0	0
10	.01	0	0	0	0
0	-.07	0	0	0	0



FRAC/ACID LOG

Ticket No. 161431

From _____ To _____

gals/bbls of w/ ppg Sand w/ scf/bbl N2

Form No. SR 0509

FRACTURING SERVICE TREATING REPORT

BILLED ON
TICKET NO. 842624

FORM #2012 R-3

WELL DATA

Field So. Myton Sec. 21 Twp. 8-S. Rng. 17-E County Duchesne State Utah

Formation Name Green River Type _____

Formation Thickness _____ From _____ To _____

Initial Prod: Oil _____ Bpd. Water _____ Bpd. Gas _____ Mcfd.

Present Prod: Oil _____ Bpd. Water _____ Bpd. Gas _____ Mcfd.

Isolation Tool # _____ Mandrel Size _____ Extensions _____ In.

Packer Type _____ Set At _____

Bottom Hole Temp. _____ RBP@ _____

Head Or Flange 6" 5000 3 Way Pbtd _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	17	5.5	Surf	TD	4000
LINER						
TUBING						
OPEN HOLE						
PERFORATIONS				5350	5383	16 Holes
PERFORATIONS						
PERFORATIONS						

MATERIALS

Treat. Fluid 5% KCL Density _____ Lb./Gal. @ API

Displ. Fluid _____ Density _____ Lb./Gal. @ API

Prop. Type Ottawa Size 20/40 Lb. 55,000

Prop. Type _____ Size _____ Lb. _____

Radioactive Tracer Irr-192 Carrier _____ Units-MCI 14

Surfactant Type LoSurf-259 Gal. 30 @ 1 /1000 Gal.

Surfactant Type _____ Gal. _____ @ _____ /1000 Gal.

Fluid Loss Type WAC-11 Gal.-Lb. 320 @ 40 PAD /1000 Gal.

Gelling Agent LGC Gal.-Lb. 1400 @ 75 /1000 Gal.

Gelling Agent _____ Gal.-Lb. _____ @ _____ /1000 Gal.

Breaker Type GBW-3 Gal.-Lb. 11 @ .5 /1000 Gal.

Breaker Type SP Gal.-Lb. 11 @ .5 /1000 Gal.

Crosslinker CL-18 Gal.-Lb. 30 @ 1.5 /1000 Gal.

Stabilizer CL-11 Gal.-Lb. 5 @ _____ /1000 Gal.

Buffer Type BA-20 Gal.-Lb. 50 @ 1.8 /1000 Gal.

Buffer Type _____ Gal.-Lb. _____ @ _____ /1000 Gal.

Bactericide BE-3 Gal.-Lb. 6 @ .1 /1000 Gal.

Non-Foamer _____ Gal.-Lb. _____ @ _____ /1000 Gal.

Clay Control ClaSta B Gal.-Lb. 22 @ 1 /1000 Gal.

Diverter _____ Gal.-Lb. _____ @ _____ /1000 Gal.

Friction Reducer _____ Gal.-Lb. _____ @ _____ /1000 Gal.

Perfpac Balls _____ Qty. _____ Size _____ S.G.

Other 7400# KCL

10 Gal NF-1

ACID DATA

Acid Type _____ % _____ Gal.-Bbl. _____

Acid Type _____ % _____ Gal.-Bbl. _____

Surfactant Type _____ Gal. _____ @ _____ /1000 Gal.

Surfactant Type _____ Gal. _____ @ _____ /1000 Gal.

NE Agent Type _____ Gal. _____ @ _____ /1000 Gal.

Clay Control Type _____ Gal.-Lb. _____ @ _____ /1000 Gal.

Corrosion Inhibitor _____ Gal.-Lb. _____ @ _____ /1000 Gal.

Corrosion Inhibitor _____ Gal.-Lb. _____ @ _____ /1000 Gal.

Cracking Inhibitor _____ Gal.-Lb. _____ @ _____ /1000 Gal.

Iron Sequester _____ Gal.-Lb. _____ @ _____ /1000 Gal.

Friction Reducer _____ Gal.-Lb. _____ @ _____ /1000 Gal.

PRESSURES IN PSI

Circulating _____ Displacement _____

Breakdown _____ Maximum _____

Average 2000 Fracture Gradient _____

ISIP 1650 5 Min. 1160 10 Min. 1070 15 Min. 1040

Ordered 4000 Available 4000 Used 1226

AVERAGE RATE IN BPM

Treating 25.0 Displ. _____ Overall _____

Customer Representative X O. R. Dunsmore

Copies _____

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8/8</u>	DATE <u>8/8</u>	DATE <u>8/8</u>	DATE <u>8/8/84</u>
TIME <u>02:00</u>	TIME <u>05:00</u>	TIME <u>07:08</u>	TIME <u>07:31</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Patton	Operator	Vernal
Garvin	3314-7593	"
Sanders	50461-6463	"
Molina	3702-6631	"
Wolf	3053	"
Burbridge	3054	"
Harrison	4375	"
Parrack	7676	"
Rivera	3117	"
Kerlin	7263	"
Bodily	Mech	"
Dansie- Curtice	Supv	"

DEPARTMENT Stimulation

DESCRIPTION OF JOB Versagel 1500 HT

JOB DONE THRU: TUBING ☐ CASING ☒ ANNULUS ☐ TSG./ANN. ☐

SUMMARY

Preflush: Bbl.-Gal. _____ Type _____

Load & Bkdn: Bbl.-Gal. _____ Pad: Scf-Bbl.-Gal. 8000

Treatment: Bbl.-Gal. _____ Displ: Bbl.-Gal. _____

Gas Assist _____ Tons-Scf _____ @ _____ Scf./Bbl.

Foam Quality _____ % Total Volume Foam _____ Bbl.-Gal.

Total Volume: Bbl.-Gal. 21,500 (Fluid) Foam _____

REMARKS

Screened out 2600 gal into flush

Robert Patton

CUSTOMER
Lomax Exploration
LEASE
Boundary Federal
WELL NO. 5-21
JOB TYPE
Versagel 1500

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune



DESERET NEWS

CUSTOMER'S
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL, GAS & MINING 1594 W NORTH TEMPLE STE # 1210 SALT LAKE CITY UT 84114	D5385340L-07	01/30/97

OFFICE COPY

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL1R8200271
SCHEDULE	
START 01/30/97 END 01/30/97	
CUST. REF. NO.	
UIC-189	
CAPTION	
NOTICE OF AGENCY ACTION CAUSE N	
SIZE	
46 LINES 2.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	150.88
TOTAL COST	
150.88	

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-189
BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE BOUNDARY FEDERAL 7-20, 9-20, 15-20, 5-21, 7-21 AND 9-21 WELLS LOCATED IN SECTIONS 20 AND 21, TOWNSHIP 8 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Boundary Federal 7-20, 9-20, 15-20, 5-21, 7-21 and 9-21 wells, located in Sections 20 and 21, Township 8 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Procedures. The wells are located within the Boundary Waterflood Unit area (Cause No. 225-1) which was approved by the Board of Oil, Gas and Mining on August 4, 1992. Selective intervals in the Green River Formation as specified in the board order will be perforated for water injection. The maximum authorized injection pressure and rate will be determined by means of a step-rate test at the time of conversion.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 22nd day of January, 1997.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
R. J. Firth
Associate Director, Oil & Gas
1R820020

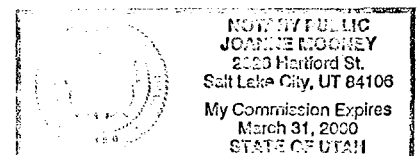
AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE N FOR DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 01/30/97 END 01/30/97

SIGNATURE Barbara Moorey

DATE 01/30/97



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

October 20, 1997

Inland Production Company
P. O. Box 1446
Roosevelt, Utah 84066

Re: Boundary Federal 5-21 well, Section 21, Township 8 South, Range 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

John R. Baza

Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Cheryl Cameron, Inland, Vernal



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-189

Operator: Inland Production Company
Wells: Boundary Federal 5-21
Location: Section 21, Township 8 South, Range 17 East,
County: Duchesne
API No.: 43-013-30822
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued by the Board of Oil, Gas and Mining on October 20, 1997.
2. Maximum Allowable Injection Pressure: 1678 psig.
3. Maximum Allowable Injection Rate: (restricted by pressure limitation).
4. Injection Interval: 5350 feet to 6478 feet (Green River Formation).

Approved by:


John R. Baza
Associate Director, Oil and Gas

10-20-97
Date

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company

Well: Boundary Fed. 5-21

Location: 21/8S/17E

API: 43-013-30822

A complete Statement of Basis was prepared for the Boundary Unit project. All of the below issues were addressed in detail. This statement addresses only well specific issues.

Ownership Issues: The proposed well is located on BLM land. All lands in the one-half mile radius of the well are owned by the BLM. Leases in the one-half mile radius are held by various individuals and companies. A list of the lease holders , surface owners and operators was submitted with the application. Inland has submitted an affidavit stating that all owners and interest owners have been notified of there intent to convert the well to an injector.

Well Integrity: The proposed well has surface casing set at 270 feet and is cemented to surface. A 5 ½ inch production casing is set at 6460 feet and has a cement top at 2008 feet. A cement bond log verifies adequate bond above the injection zone. A 2 7/8 inch tubing with a packer will be set at approximately 5310 feet. A mechanical integrity test will be run on the well prior to injection. There are no wells in the area of review. No corrective action will be required.

Ground Water Protection: The base of moderately saline water is at a depth of approximately 300 feet. Numerous water flows have been encountered in the boundary unit during drilling operations. These flows have been at depths of approximately 95 feet and 195 feet. The quality of the water in these sands has been reported to be fresh. High quality ground water may be present in sands down through a depth of 300 feet. These sands are generally discontinuous, low yielding and not subject to direct recharge. Injection shall be limited to the interval between 5350 feet and 6478 feet in the Green River Formation, specifically the CP, and D-2 sands. The confining intervals above and below the injection zone consists of tight, moderately calcareous sandy lacustrine shale. Information submitted by Inland indicates that the fracture gradient for the injection zone in the 5-21 well is .72 psig/ft. The resulting fracture pressure at the proposed uppermost perforation at 5350 feet is 1678 psig. The requested maximum

Boundary Fed. 5-21
page 2

pressure was 1678 psi. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: This well is located in the previously approved Boundary Unit. Correlative rights issues and other interests were addressed at the time the unit was approved. In review of the information submitted to the Board it appears that additional injection wells will increase ultimate recovery and will protect the interests of all owners.

Bonding: The well is located on Federal land and proper bonds are held by the BLM.

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard (UIC-178). It is recommended that approval be granted to convert the well to injection. Approval should be granted in accordance with information submitted by Inland in there application for conversion. A casing pressure test should be conducted at the time of conversion and a casing/tubing pressure test should be conducted prior to injection.

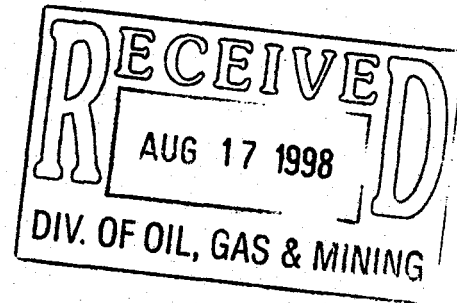
Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): D.Jarvis Date: 10/1/97



August 14, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801



RE: Injection Conversion
Boundary Federal #5-21
Boundary Unit
Section 21-T8S-R17E
Duchesne County, Utah

Dear Mr. Jarvis:

Please find attached, Form 3160-5, Sundry Notice and Report on Wells, indicating the above referenced well has been converted to a water injection well, and a mechanical integrity test was performed. Should you have any questions, please contact me at (303) 382-4434.

Sincerely,

Debbie E. Knight
Manager, Regulatory Compliance

cc: Mr. Edwin Forsman, BLM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-50376

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

GREATER BOUNDARY

8. Well Name and No.

BOUNDARY FED 5-21

9. API Well No.

43-013-30822

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐

Oil
Well

☐

Gas
Well

☒

Other

WIW

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2103 FNL 0505 FWL SW/NW Section 21, T08S R17E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☐

Other

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☒

Conversion to Injection

☐

Dispose Water

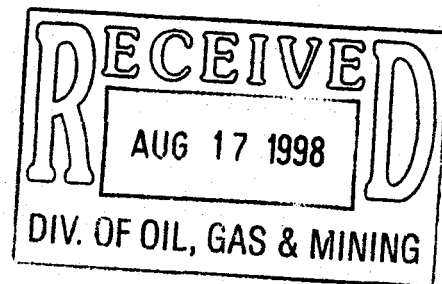
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above referenced well was converted from a producing oil well to a water injection well on 8-5-98. A mechanical integrity test was performed on 8-5-98. Casing was tested to 1100 psi for 2 hours - no pressure lost. DOGM and EPA were notified, but did not witness.

Attachments:

1. Daily Workover Report
2. Copy of Chart



14. I hereby certify that the foregoing is true and correct

Signed

Debbie Knight

Title

Manager, Regulatory Compliance

Date

8/14/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM



Daily Workover Report

BOUNDARY FED 5-21
SW/NW Section 21, T08S R17E
DUCHESNE Co., Utah
API # 43-013-30822

Spud Date: 5/24/84
POP: 8/5/84
TD: 6858'
WO Rig: Flint #4351

8/1/98 PO: Injection Conversion. (Day 1)

Summary: 7/31/98 – TP: 0, CP: 0. MIRUSU. Pump 60 bbls water down casing @ 250°. Hole came full after 50 bbls, took 1000 psi to pump last 10 bbls. NU BOP. TIH w/bit and scraper, SN, 57 jts tbg. Tbg and casing came full. SIFN.
DC: \$3,600 TWC: \$3,600

8/2/98 SD for Weekend.

8/4/98 PO: Injection Conversion. (Day 2)

Summary: 8/3/98 – TP: 0, CP: 0. Circulate 20 bbls oil off well with 60 bbls water. RU swab. Swab 1000' fluid off well. TIH w/bit and scraper, SN, 200 jts tbg. EOT @ 6192'. Drop stand-in valve. Test tbg to 2000 psi. RU fishing tool. Fish stand-in valve. TOH w/tbg breaking and applying every collar w/liquid "O" ring. Pick-up Arrow set 1 packer, SN. TIH w/40 jts tbg. SIFN.
DC: \$5,800 TWC: \$9,400

8/5/98 PO: Injection Conversion. (Day 3)

Summary: 8/4/98 – TP: 0, CP: 0. Finish TIH w/129 jts tbg. ND BOP. Pump 60 bbls production water @ 140°. Pump 85 bbls packer fluid. Set TA 14,000# tension. Test tbg and casing to 1100 psi w/5 bbls packer fluid. RDMOSU.
DC: \$16,600 TWC: \$26,000

NOON

10

9

8

7

6 AM

5

4

3

2

NIGHT

GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC MP-2500

CHART PUT ON METER
TAKEN OFF 12:30-1:00 PM
No. 1000 for 2nd day
Remarks: 1000

LOCATION

REMARKS

2250

2000

1750

1500

1250

1000

750

500

250

250

500

750

250

500

750

1000

1250

1500

1750

2000

2250

2250

2000

1750

1500

1250

1000

750

500

250

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE
APPLICATION OF INLAND
PRODUCTION COMPANY FOR
ADMINISTRATIVE APPROVAL OF
THE BOUNDARY FEDERAL 7-20,
9-20, 15-20, ~~15-21~~, 7-21 AND 9-21
WELLS LOCATED IN SECTIONS 20
AND 21, TOWNSHIP 8 SOUTH,
RANGE 17 EAST, S.L.M.,
DUCHESNE COUNTY, UTAH, AS
CLASS II INJECTION WELLS

: NOTICE OF AGENCY
ACTION

: CAUSE NO. UIC-189

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Boundary Federal 7-20, 9-20, 15-20, 5-21, 7-21 and 9-21 wells, located in sections 20 and 21, Township 8 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures. The wells are located within the Boundary Waterflood Unit area (Cause No. 225-1) which was approved by the Board of Oil, Gas and Mining on August 4, 1992. Selective intervals in the Green River Formation as specified in the board order will be perforated for water injection. The maximum authorized injection pressure and rate will be determined by means of a step-rate test at the time of conversion.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 22nd day of January 1997.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



R. J. Firth
Associate Director, Oil & Gas



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

January 22, 1997

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Re: Notice of Agency Action - Cause No. UIC-189

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Lorraine Platt
Secretary

Enclosure



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

January 22, 1997

Newspaper Agency Corporation
Legal Advertising
Tribune Building, Front Counter
143 South Main
Salt Lake City, Utah 84111

Re: Notice of Agency Action - Cause No. UIC-189

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Lorraine Platt
Secretary

Enclosure

**Inland Production Company
Boundary Federal 7-20, 9-20, 15-20, 5-21, 7-21 and 9-21 Wells
Cause No. UIC-189**

Publication Notices were sent to the following:

Inland Production Company
P. O. Box 1446
Roosevelt, Utah 84066

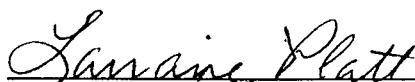
Inland Production Company
P.O. Box 790233
Vernal, Utah 84078

Newspaper Agency Corporation
Legal Advertising
Tribune Building, Front Counter
143 South Main
Salt Lake City, Utah 84111

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Vernal District Office
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

U.S. Environmental Protection Agency
Region VIII
Attn. Dan Jackson
999 18th Street
Denver, Colorado 80202-2466



Lorraine Platt
Secretary
January 22, 1997



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

999 18TH STREET - SUITE 300

DENVER, CO 80202-2466

Phone 800-227-8917

<http://www.epa.gov/region08>

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Mr. Michael Guinn
Vice President - Operations
Inland Production Company
Route 3 - Box 3630
Myton, UT 84052

RE: UNDERGROUND INJECTION CONTROL (UIC)
APPROVAL TO INCREASE MAXIMUM
SURFACE INJECTION PRESSURE
EPA Permit No. UT20702-04397
Boundary Federal No. 5-21-8-17
SW NW Sec. 21 - T8S - R17E
Duchesne County, Utah

Dear Mr. Guinn:

The Environmental Protection Agency (EPA) Boundary Area Permit UT20702-00000 (Effective February 8, 1994), Part II, Section C. 4. (b), permits the "Director" to authorize, by letter, an increase in the maximum surface injection pressure (MIP) for the Boundary Federal No. 5-21-8-17 following receipt and approval of a valid Step-Rate Test (SRT).

On November 17, 2003, Inland Production Company (Inland) submitted an SRT, dated November 7, 2003, which was reviewed and approved by the EPA on November 20, 2003. The EPA approved the fracture gradient (FG) of **0.784 psi/ft** for the Garden Gulch/Douglas Creek/Basal Carbonate Members of the Green River Formation injection interval.



Printed on Recycled Paper

Mr. David Gerbig
Operations Engineer
Inland Production Company
410 Seventeenth Street - Suite 700
Denver, CO 80202

Mr. Gil Hunt
Technical Services Manager
State of Utah - Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple - Suite 1220
Salt Lake City, UT 84111-00581

Mr. Jerry Kenczka
Petroleum Engineer
Bureau of Land Management
Vernal District
170 South 500 East
Vernal, UT 84078

Mr. Nathan Wiser
8ENF-T

Inland Resources Inc.
Greater Boundary Unit
Well List
Status as of March 27, 1998

*To: Lisa
From: Debbie*

*all of these
are 43-013-*

#12391 "Greater Boundary (GPRV) Unit"

Lease Name	Status	Operator	Twp	Rge	Sec	Spot	Accounting No.	API Code
BOUNDARY FEDERAL 7-203075000511NJ	INJ	INLAND	08S	17E	20	7.0	UMBOI001	30750 8407
BOUNDARY FED 11-21	INJ	INLAND	08S	17E	21	11.0	UMBOI002	30752 10630
BOUNDARY FEDERAL 15-21	INJ	INLAND	08S	17E	21	15.0	UMBOI003	31622 11921
BOUNDARY FEDERAL #10-20	P&A	N/A	08S	17E	20	10	#N/A	
TAR SANDS FEDERAL 12-28	P&A	INLAND	08S	17E	28	12.0	#N/A	
TAR SANDS FEDERAL #32-29	P&A	N/A	08S	17E	29	7	#N/A	
BOUNDARY FEDERAL 6-20	PDP	INLAND	08S	17E	20	6.0	UMBOP001	31626 11991
BOUNDARY FEDERAL 8-20	PDP	INLAND	08S	17E	20	8.0	#N/A	31993 12329
BOUNDARY FEDERAL 9-20	PDP	INLAND	08S	17E	20	9.0	UMBOP002	30690 8408
BOUNDARY FEDERAL 15-20	PDP	INLAND	08S	17E	20	15.0	UMBOP003	30667 8409
BOUNDARY 6-21	PDP	INLAND	08S	17E	21	6.0	UMBOP005	31889 1226
BOUNDARY 7-21	PDP	INLAND	08S	17E	21	7.0	UMZZP053	31640 1201
BOUNDARY 8-21	PDP	INLAND	08S	17E	21	8.0	UMZZP052	31557 1185
BOUNDARY FEDERAL 9-21	PDP	INLAND	08S	17E	21	9.0	UMBOP006	31542 11806
BOUNDARY FEDERAL 10-21	PDP	INLAND	08S	17E	21	10.0	UMBOP007	31532 11803
BOUNDARY FEDERAL 12-21	PDP	INLAND	08S	17E	21	12.0	UMBOP008	31440 11709
BOUNDARY FEDERAL 13-21	PDP	INLAND	08S	17E	21	13.0	UMBOW001	30665 2660
BOUNDARY FEDERAL 14-21	PDP	INLAND	08S	17E	21	14.0	UMBOP009	31441 11768
BOUNDARY FEDERAL 16-21	PDP	INLAND	08S	17E	21	16.0	UMBOP010	31627 11934
TAR SANDS FEDERAL 2-28	PDP	INLAND	08S	17E	28	2.0	UMZZP079	11937 31642
TAR SANDS FEDERAL 3-28	PDP	INLAND	08S	17E	28	3.0	UMZZP078	11923 31623
TAR SANDS FEDERAL 4-28	PDP	INLAND	08S	17E	28	4.0	UMZZP080	11938 31641
TAR SANDS FEDERAL 5-28 (I)	PDP	INLAND	08S	17E	28	5.0	UMZZP114	12171 31697
TAR SANDS FED 6-28	PDP	INLAND	08S	17E	28	6.0	UMZZP116	12241 31921
TAR SANDS FED 13-28	PDP	INLAND	08S	17E	28	13.0	UMZZP105	12176 31771
TAR SANDS FEDERAL 1-29	PDP	INLAND	08S	17E	29	1.0	UMZZP115	12168 31743
TAR SANDS FED 8-29	PDP	INLAND	08S	17E	29	8.0	UMZZP117	12242 31922
TAR SANDS FEDERAL 9-29	PDP	INLAND	08S	17E	29	9.0	#N/A	12281 31942
TAR SANDS FEDERAL 12-29	PDP	INLAND	08S	17E	29	12.0	UMZZP113	12261 31924
TAR SANDS FEDERAL 16-29	PDP	INLAND	08S	17E	29	16.0	UMZZP106	12212 31871
TAR SANDS FEDERAL 1-33	PDP	INLAND	08S	17E	33	1.0	UMZZP108	12265 31863
TAR SANDS FEDERAL 2-33	PDP	INLAND	08S	17E	33	2.0	UMZZP107	12271 31867
BOUNDARY FED 5-21	SI	INLAND	08S	17E	21	5.0	UMBOP004	30822 11162
FEDERAL 1-26	SI	INLAND	08S	17E	26	3.0	431162	4304731953 11221

Thanks for your help.

ENTITY ACTION FORM - FORM 6

OPERATOR INLAND PRODUCTION COMPANY

OPERATOR ACCT. NO. 15160

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		12391		**SEE ATTACHED**							5-1-98
WELL 1 COMMENTS: GREATER BOUNDARY (GRRV) UNIT EFF 5-1-98											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CONES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)

Signature

ENG. TECH

6-26-98

Title

Date

Phone No. ()

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other **WIW**

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2103 FNL 0505 FWL SW/NW Section 21, T08S R17E

5. Lease Designation and Serial No.

U-50376

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

GREATER BOUNDARY

8. Well Name and No.

BOUNDARY FED 5-21

9. API Well No.

43-013-30822

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

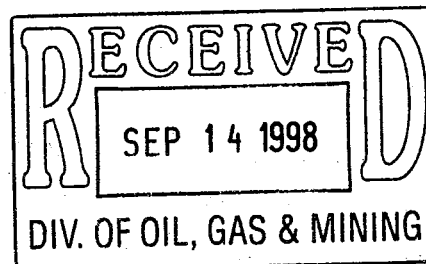
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **First Injection**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above referenced well was put on injection 8-30-98.



14. I hereby certify that the foregoing is true and correct

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

9/11/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-50376

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

GREATER BOUNDARY

8. Well Name and No.

BOUNDARY FED 5-21

9. API Well No.

43-013-30822

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2103 FNL 0505 FWL SW/NW Section 21, T08S R17E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Weekly Status**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

WEEKLY STATUS REPORT FOR THE PERIOD OF 7/31/98 - 8/4/98

Injection Conversion On Injection 8/31/98

MIRUSU. Pump 60 bbls water down casing @ 250°. Hole came full after 50 bbls, took 1000 psi to pump last 10 bbls. NU BOP. TIH w/bit and scraper, SN, 57 jts tbg. Tbg and casing came full.

Circulate 20 bbls oil off well with 60 bbls water. RU swab. Swab 1000' fluid off well. TIH w/bit and scraper, SN, 200 jts tbg. EOT @ 6192'. Drop stand-in valve. Test tbg to 2000 psi. RU fishing tool. Fish stand-in valve. TOH w/tbg breaking and applying every collar w/liquid "O" ring. Pick-up Arrow set 1 packer, SN. TIH w/40 jts tbg.

Finish TIH w/129 jts tbg. ND BOP. Pump 60 bbls production water @ 140°. Pump 85 bbls packer fluid. Set TA 14,000# tension. Test tbg and casing to 1100 psi w/5 bbls packer fluid. RDMOSU.

14. I hereby certify that the foregoing is true and correct

Signed Shannon Smith Title Engineering Secretary Date 1/5/99

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

INLAND RESOURCES
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NO. 624 P. 3/4
FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2103 FNL 0505 FWL SW/NW Section 21, T08S R17E

5. Lessee Designation and Serial No.

U-50376

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

GREATER BOUNDARY

8. Well Name and No.

BOUNDARY FED 5-21

9. API Well No.

43-013-30822

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Weekly Status

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all marked and zones pertinent to this work.)

WEEKLY STATUS REPORT FOR THE PERIOD OF 7/31/98 - 8/4/98

Injection Conversion On Injection 8/31/98

MIRUSU. Pump 60 bbls water down casing @ 250°. Hole came full after 50 bbls, took 1000 psi to pump last 10 bbls. NU BOP. TIH w/bit and scraper, SN, 57 jts tbg. Tbg and casing came full.

Circulate 20 bbls oil off well with 60 bbls water. RU swab. Swab 1000' fluid off well. TIH w/bit and scraper, SN, 200 jts tbg. EOT @ 6192'. Drop stand-in valve. Test tbg to 2000 psi. RU fishing tool. Fish stand-in valve. TOH w/tbg breaking and applying every collar w/liquid "O" ring. Pick-up Arrow set 1 packer, SN. TIH w/40 jts tbg.

Finish TIH w/129 jts tbg, ND BOP. Pump 60 bbls production water @ 140°. Pump 85 bbls packer fluid. Set TA 14,000# tension. Test tbg and casing to 1100 psi w/5 bbls packer fluid. RDMOSU.

WTC-99
1-11-99
RSH

14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

1/5/99

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. U-50376	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		7. UNIT AGREEMENT NAME MONUMENT BUTTE UNIT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/NW 2103 FNL 0505 FWL		8. FARM OR LEASE NAME BOUNDARY FED 5-21	
14. API NUMBER 43-013-30822		9. WELL NO. Federal 5-21	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5241 GR		10. FIELD AND POOL, OR WILDCAT TREATY BOUNDARY	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/NW Section 21, T08S R17E	
		12. COUNTY OR PARISH DUCHESNE	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>STEP RATE TEST</u>	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

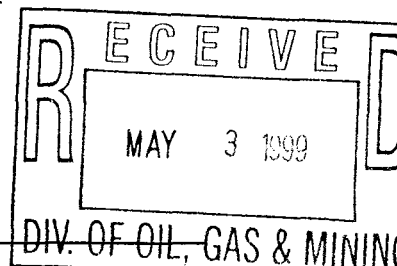
On April 28, 1999 Inland Production Company conducted a Step-Rate Test (SRT) on the Boundary Federal #5-21 injection well in the Greater Boundary Unit. Due to the results of the attached SRT Inland is requesting approval to increase our Maximum Allowable Injection pressure on the 5-21 injection well to 1670 psi.

COPY SENT TO OPERATOR
Date: 6-1-99
Initials: CHO

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 6/1/99

By: [Signature]



18 I hereby certify that the foregoing is true and correct

SIGNED Brad Mechem TITLE Operations Manager

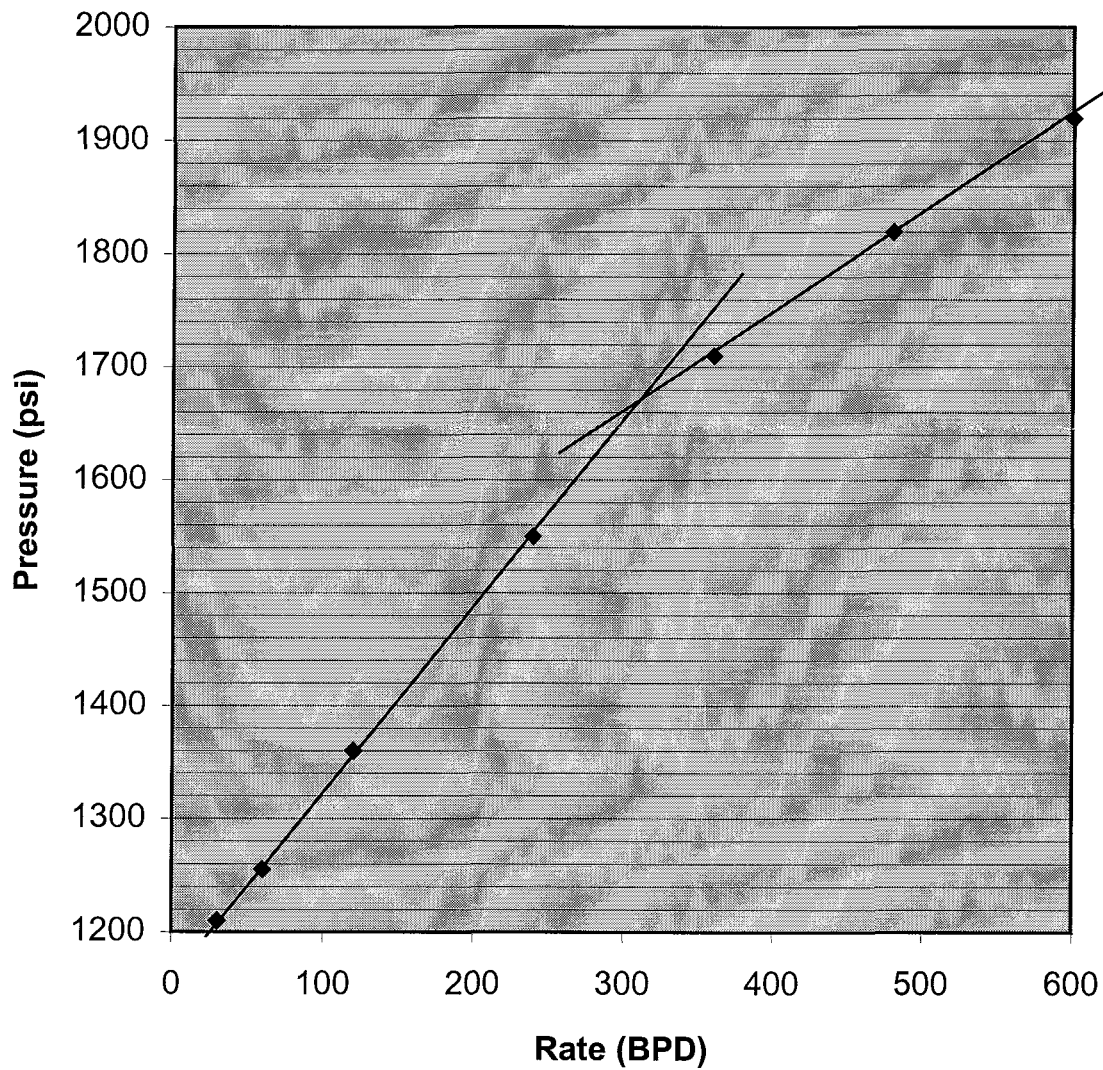
DATE 4/29/99

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

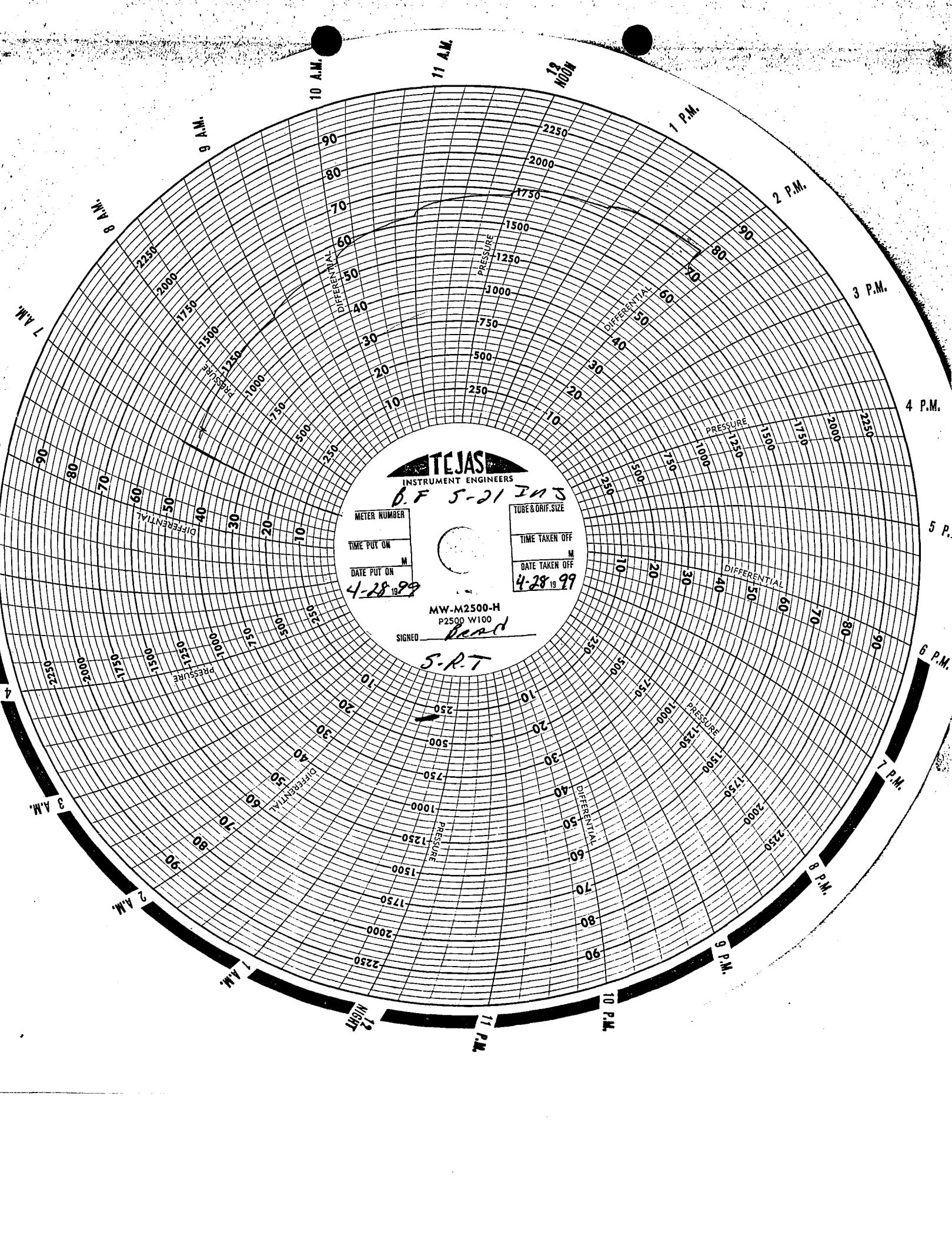
Boundary Fed 5-21
(Boundary Unit)
Step Rate Test
April 27, 1999



ISIP: 1850 psi

Fracture pressure: 1670 psi

Step	Rate(bpd)	Pressure(psi)
1	30	1210
2	60	1255
3	120	1360
4	240	1550
5	360	1710
6	480	1820
7	600	1920





April 29, 1999

State of Utah
Division of Oil, Gas & Mining
Attn: Dan Jarvis
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Dan:

Please find enclosed Step Rate Tests (SRT) results on the Boundary Federal #5-21 injection well. The SRT was conducted by Inland Production Company on April 28, 1999. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure to 1670 psi for the Boundary Federal #5-21. The Step Rate Test has been also submitted to Mr. Edwin Hogle with the Environmental Production Agency.

Thank you for your assistance. If you have any questions or need further information, please don't hesitate to call me at (435) 646-3721.

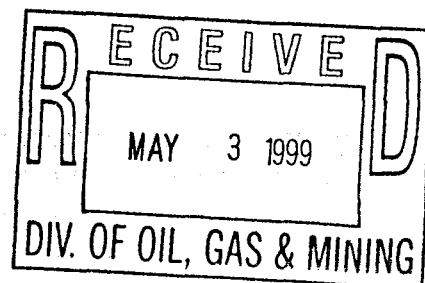
Sincerely,

Brad Mecham
Operations Manager

Enclosures

cc: Environmental Protection Agency

/bm



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. U-50376	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME GREATER BOUNDARY	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME BOUNDARY FED 5-21	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		9. WELL NO. 5-21-8-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/NW 2103 FNL 0505 FWL		10. FIELD AND POOL, OR WILDCAT TREATY BOUNDARY	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/NW Section 21, T08S R17E	
14. API NUMBER 43-013-30822	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5241 GR	12. COUNTY OR PARISH DUCHESNE	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Returned to Production</u>	<input type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was converted to an injector in August 1998.

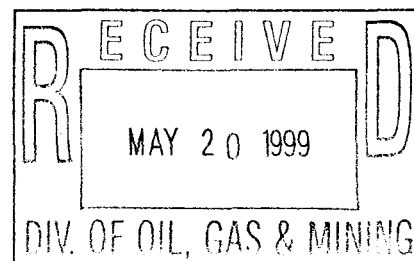
18 I hereby certify that the foregoing is true and correct			
SIGNED <u>[Signature]</u>	TITLE <u>District Engineer</u>	DATE <u>5/12/99</u>	

(This space for Federal or State office use)	
APPROVED BY _____	TITLE _____
CONDITIONS OF APPROVAL, IF ANY:	

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

*Federal Approval of this
Action is Necessary*

COPY SENT TO OPERATOR
Date: 6-1-99
Initials: CHD



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. UTU-76954	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		7. UNIT AGREEMENT NAME GREATER BOUNDARY	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/NW Section 21, T8S R17E 2103 FNL 505 FWL		8. FARM OR LEASE NAME BOUNDARY FED 5-21	
14. API NUMBER 43-013-30822		9. WELL NO. BOUNDARY FED 5-21	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5241 GR		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
12. COUNTY OR PARISH DUCHESNE		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/NW Section 21, T8S R17E	
13. STATE UT			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> 5 Year MIT	
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A 5 Year MIT was conducted on the subject well. On 6/11/03 Al Craver w/EPA was contacted of the intent to conduct a MIT on the casing. On 6/17/03 the casing was pressured to 1200 psi w/no pressure loss charted in the 1/2 hour test. No Governmental agencies were able to witness the test.

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>	DATE <u>6/19/2003</u>
Krishna Russell		

cc: BLM
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
JUN 20 2003
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 6 / 16 / 03
Test conducted by: BRET HENRIE
Others present: _____

Well Name: <u>BOUNDARY FEDERAL 521-8-17</u>	Type: <u>ER</u> SWD	Status: <u>AC</u> TA UC
Field: <u>GREATER BOUNDARY UNIT</u>		
Location: <u>SW1/4</u> Sec: <u>21</u> T <u>2</u> N/S R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>INLAND</u>		
Last MIT: <u>8 / 5 / 1998</u> Maximum Allowable Pressure: <u>1670</u> PSIG		

Is this a regularly scheduled test? ☒ Yes ☐ No

Initial test for permit? ☐ Yes ☒ No

Test after well rework? ☐ Yes ☒ No

Well injecting during test? ☒ Yes ☐ No If Yes, rate: 10 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING PRESSURE				
Initial Pressure	<u>1560</u> psig			
End of test pressure	<u>1560</u> psig			
CASING / TUBING ANNULUS PRESSURE				
0 minutes	<u>1200</u> psig			
5 minutes	<u>1200</u> psig			
10 minutes	<u>1200</u> psig			
15 minutes	<u>1200</u> psig			
20 minutes	<u>1200</u> psig			
25 minutes	<u>1200</u> psig			
30 minutes	<u>1200</u> psig			
minutes	psig			
minutes	psig			
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☒ Yes ☐ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness:

OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff

Dates:

Do you agree with the reported test results? ☐ YES ☐ NO

If not, why?

Possible violation identified? ☐ YES ☐ NO

If YES, what

If YES - followup initiated? ☐ YES

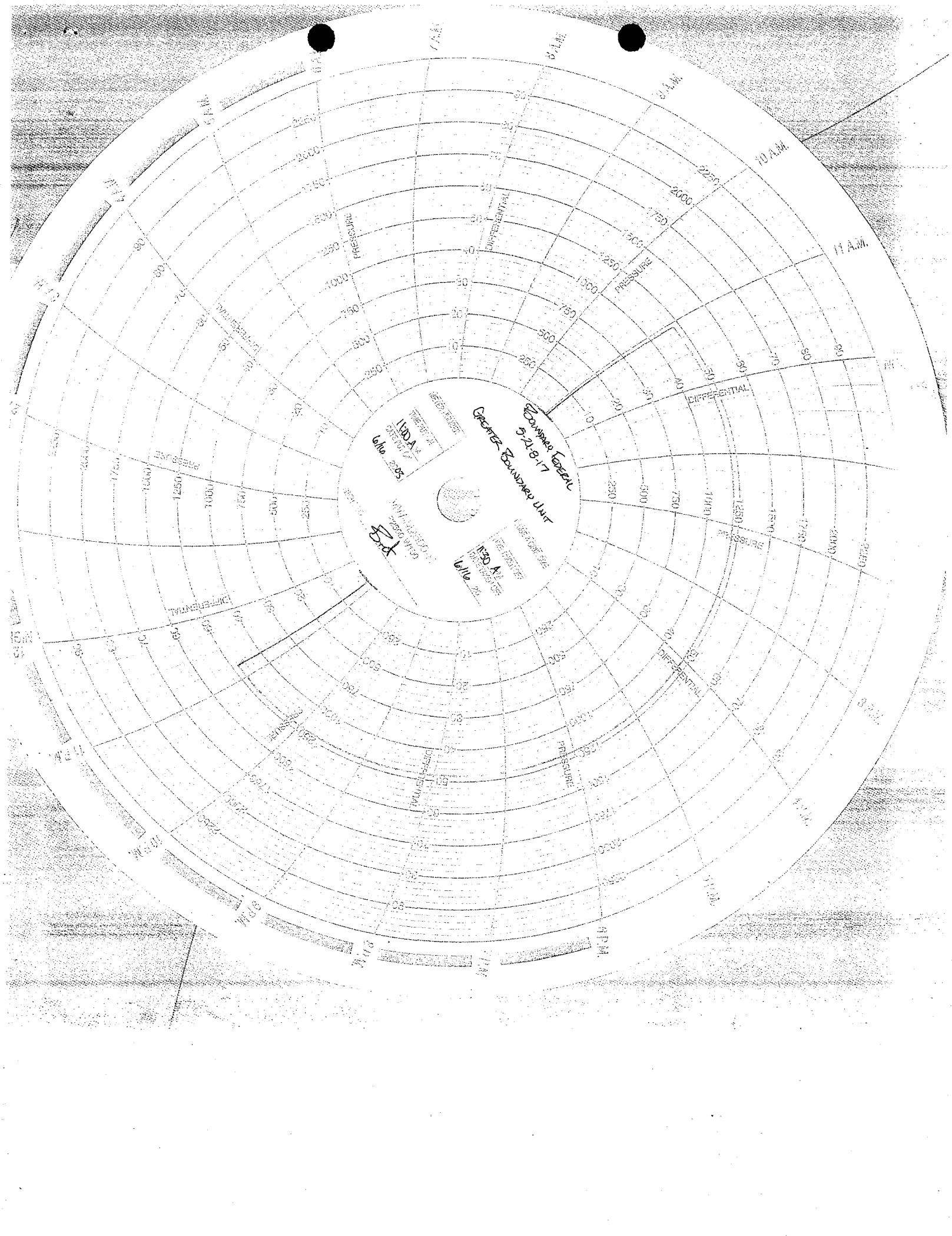
☐ NO - why not?

[] Data Entry

☐ Compliance Staff

[] 2nd Data Entry

☐ Hardcopy Filing



Boundary Label
9-21-8-17
Greater Boundary Unit

1130 A
2000 PSI
6/16 2205

1130 A
2000 PSI
6/16 2205

6/16 2205

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.

OIL ☐ GAS ☐ OTHER ☒ **Injection Well**

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NUMBER
**Rt. 3 Box 3630, Myton Utah 84052
435-646-3721**

4. LOCATION OF WELL
Footages **2103 FNL 505 FWL**
QQ, SEC, T, R, M: **SW/NW Section 21, T8S R17E**

5. LEASE DESIGNATION AND SERIAL NO.
UTU-76954

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME
N/A

7. UNIT AGREEMENT NAME
GREATER BOUNDARY

8. WELL NAME and NUMBER
BOUNDARY FED 5-21

9. API NUMBER
43-013-30822

10. FIELD AND POOL, OR WILDCAT
MONUMENT BUTTE

COUNTY **DUCHESNE**
STATE **UTAH**

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

NOTICE OF INTENT:
(Submit in Duplicate)

☐ ABANDON ☐ NEW CONSTRUCTION
☐ REPAIR CASING ☐ PULL OR ALTER CASING
☐ CHANGE OF PLANS ☐ RECOMPLETE
☐ CONVERT TO INJECTION ☐ REPERFORATE
☐ FRACTURE TREAT OR ACIDIZE ☐ VENT OR FLARE
☐ MULTIPLE COMPLETION ☐ WATER SHUT OFF
☐ OTHER _____

SUBSEQUENT REPORT OF:

(Submit Original Form Only)

☐ ABANDON* ☐ NEW CONSTRUCTION
☐ REPAIR CASING ☐ PULL OR ALTER CASING
☐ CHANGE OF PLANS ☐ RECOMPLETE
☐ CONVERT TO INJECTION ☐ REPERFORATE
☐ FRACTURE TREAT OR ACIDIZE ☐ VENT OR FLARE
☒ OTHER **Step Rate Test**

DATE WORK COMPLETED _____

Report results of Multiple Completion and Recompletions to different
reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND
LOG form.

*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

A step rate test was conducted on the subject well on 11/7/03. Results from the test indicate that the fracture gradient is .784 psi/ft. Therefore, Inland is requesting that the maximum allowable injection pressure (MAIP) be changed to 1865 psi.

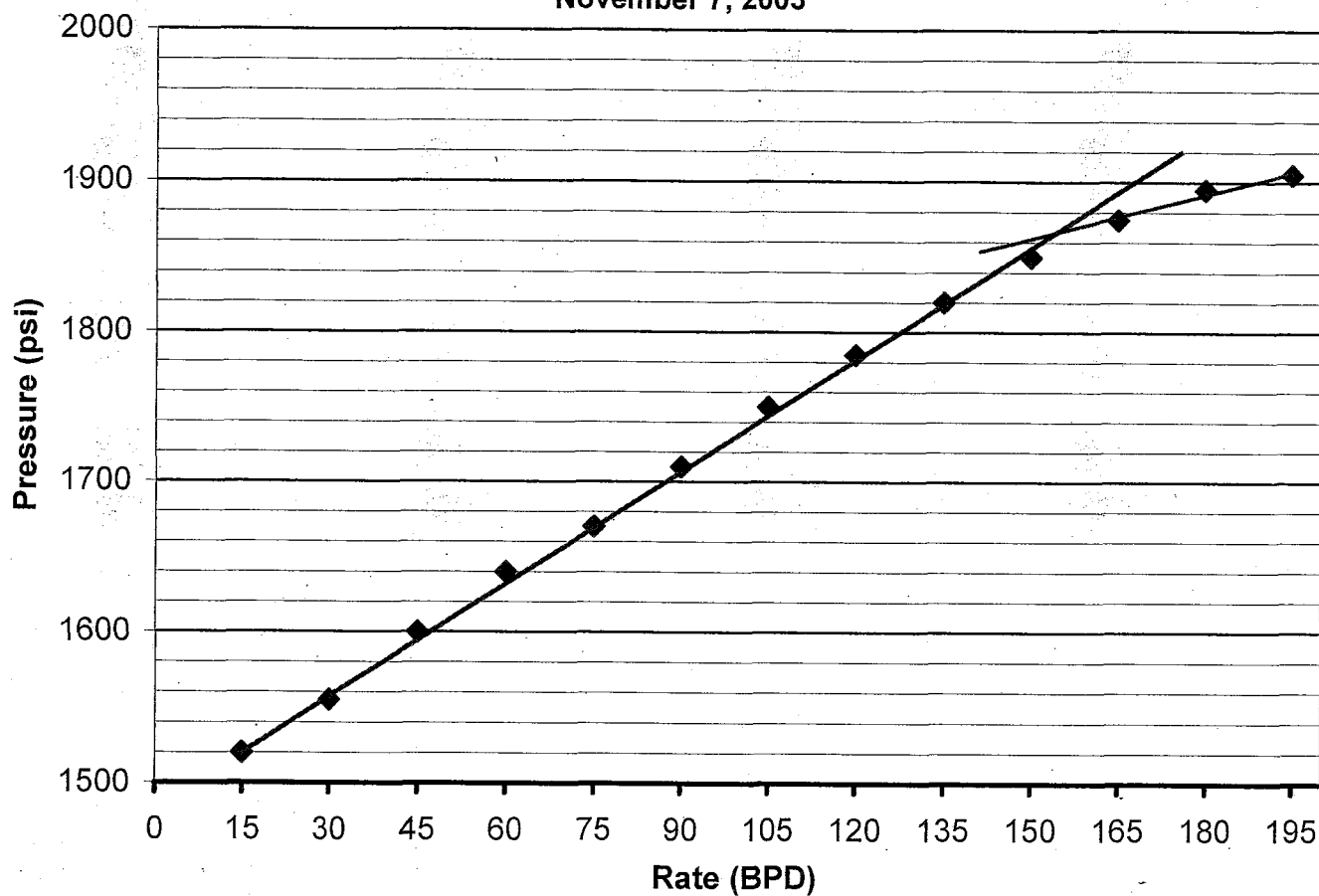
13. NAME & SIGNATURE: Michael Guinn TITLE Vice President of Operations DATE 11/17/2003

(This space for State use only)

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

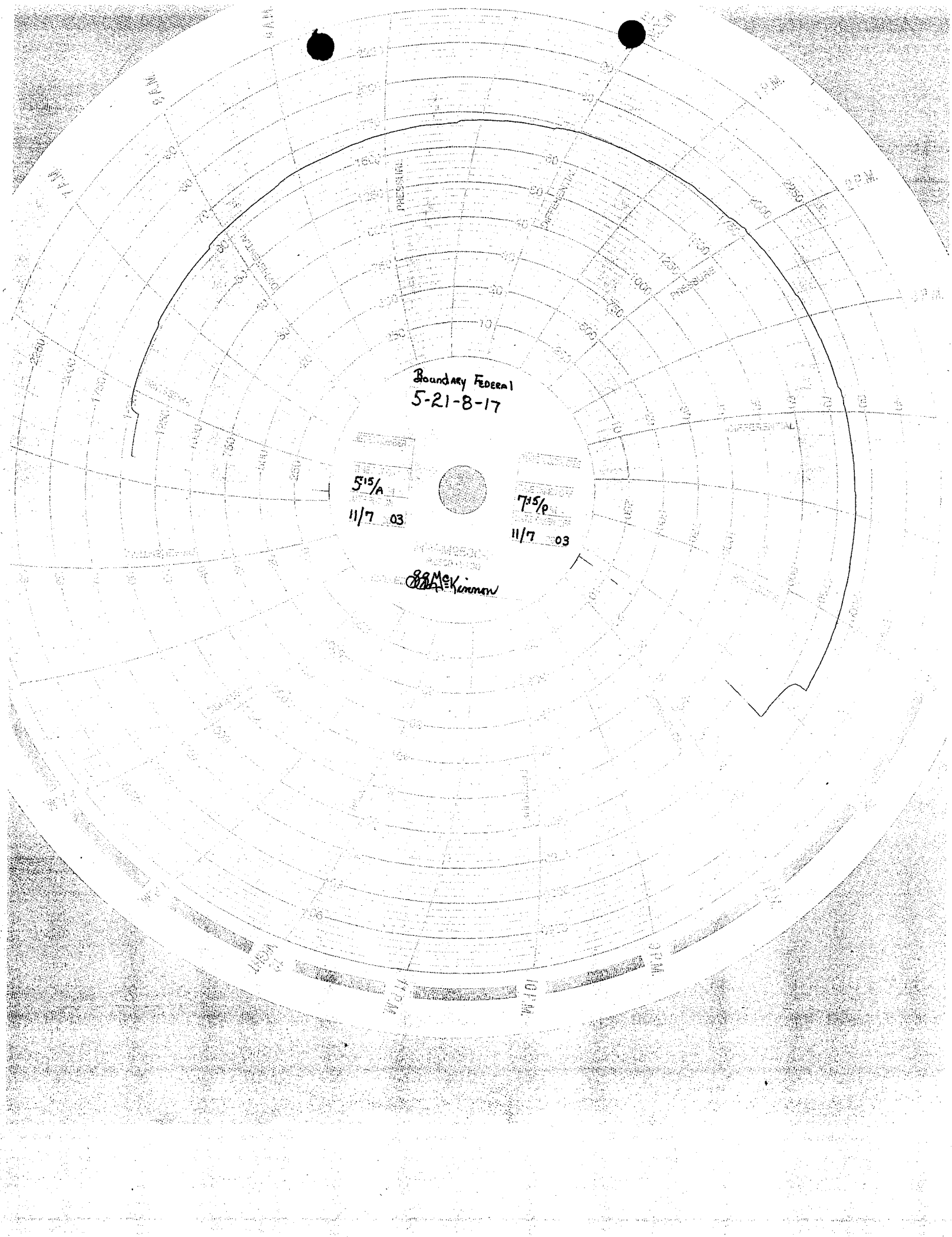
**RECEIVED
NOV 18 2003
DIV. OF OIL, GAS & MINING**

Boundary Federal 5-21-8-17
Greater Boundary Unit
Step Rate Test
November 7, 2003



Start Pressure: 1440 psi
Instantaneous Shut In Pressure (ISIP): 1865 psi
Top Perforation: 5350 feet
Fracture pressure (Pfp): 1865 psi
FG: 0.784 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	15	1520
2	30	1555
3	45	1600
4	60	1640
5	75	1670
6	90	1710
7	105	1750
8	120	1785
9	135	1820
10	150	1850



Boundary Federal
5-21-8-17

5 15/16
11/7 03

7 15/16
11/7 03

88 MeV
Kimmer



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: _____
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*Title: *Perk. Services Manager*Approval Date: *9-20-04*

Comments:

*Note: Indian Country wells will require EPA approval.*RECEIVED
SEP 20 2004

DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.**Unit:****GREATER BOUNDARY (GR)****WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
BOUNDARY FED 15-20	20	080S	170E	4301330667	12391	Federal	WI	A
BOUNDARY FED 9-20	20	080S	170E	4301330690	12391	Federal	WI	A
BOUNDARY FED 7-20	20	080S	170E	4301330750	12391	Federal	WI	A
BOUNDARY FED 6-20	20	080S	170E	4301331626	12391	Federal	OW	S
BOUNDARY FED 13-21	21	080S	170E	4301330665	12391	Federal	WI	A
BOUNDARY FED 11-21	21	080S	170E	4301330752	12391	Federal	WI	A
BOUNDARY FED 5-21	21	080S	170E	4301330822	12391	Federal	WI	A
BOUNDARY FED 12-21	21	080S	170E	4301331440	12391	Federal	OW	S
BOUNDARY FED 14-21	21	080S	170E	4301331441	12391	Federal	OW	P
BOUNDARY FED 10-21	21	080S	170E	4301331532	12391	Federal	OW	P
BOUNDARY FED 9-21	21	080S	170E	4301331542	12391	Federal	WI	A
BOUNDARY 8-21	21	080S	170E	4301331557	12391	Fee	OW	P
BOUNDARY FED 15-21	21	080S	170E	4301331622	12391	Federal	WI	A
BOUNDARY FED 16-21	21	080S	170E	4301331627	12391	Federal	OW	P
BOUNDARY 7-21	21	080S	170E	4301331640	12391	Fee	WI	A
TAR SANDS FED 3-28	28	080S	170E	4301331623	12391	Federal	WI	A
TAR SANDS FED 4-28	28	080S	170E	4301331641	12391	Federal	OW	P
TAR SANDS FED 2-28	28	080S	170E	4301331642	12391	Federal	OW	S
TAR SANDS FED 5-28 (I)	28	080S	170E	4301331697	12391	Federal	WI	A
GB FED 7-29R-8-17	29	080S	170E	4301330435		Federal	D	PA

K

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged well, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU76954
2. NAME OF OPERATOR: Newfield Production Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052	7. UNIT or CA AGREEMENT NAME: GREATER BOUNDARY II
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2103 FNL 0505 FWL	8. WELL NAME and NUMBER: BOUNDARY FED 5-21
	9. API NUMBER: 4301330822
	10. FIELD AND POOL, OR WILDCAT: Monument Butte

COUNTY: Duchesne

QTR/QTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SW/NW, 21, T8S, R17E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Step Rate Test
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 02/11/2005			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on February 7, 2005. Results from the test indicate that the fracture gradient is .805 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1980 psi.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Mike Guinn

TITLE Engineer

SIGNATURE

DATE February 11, 2005

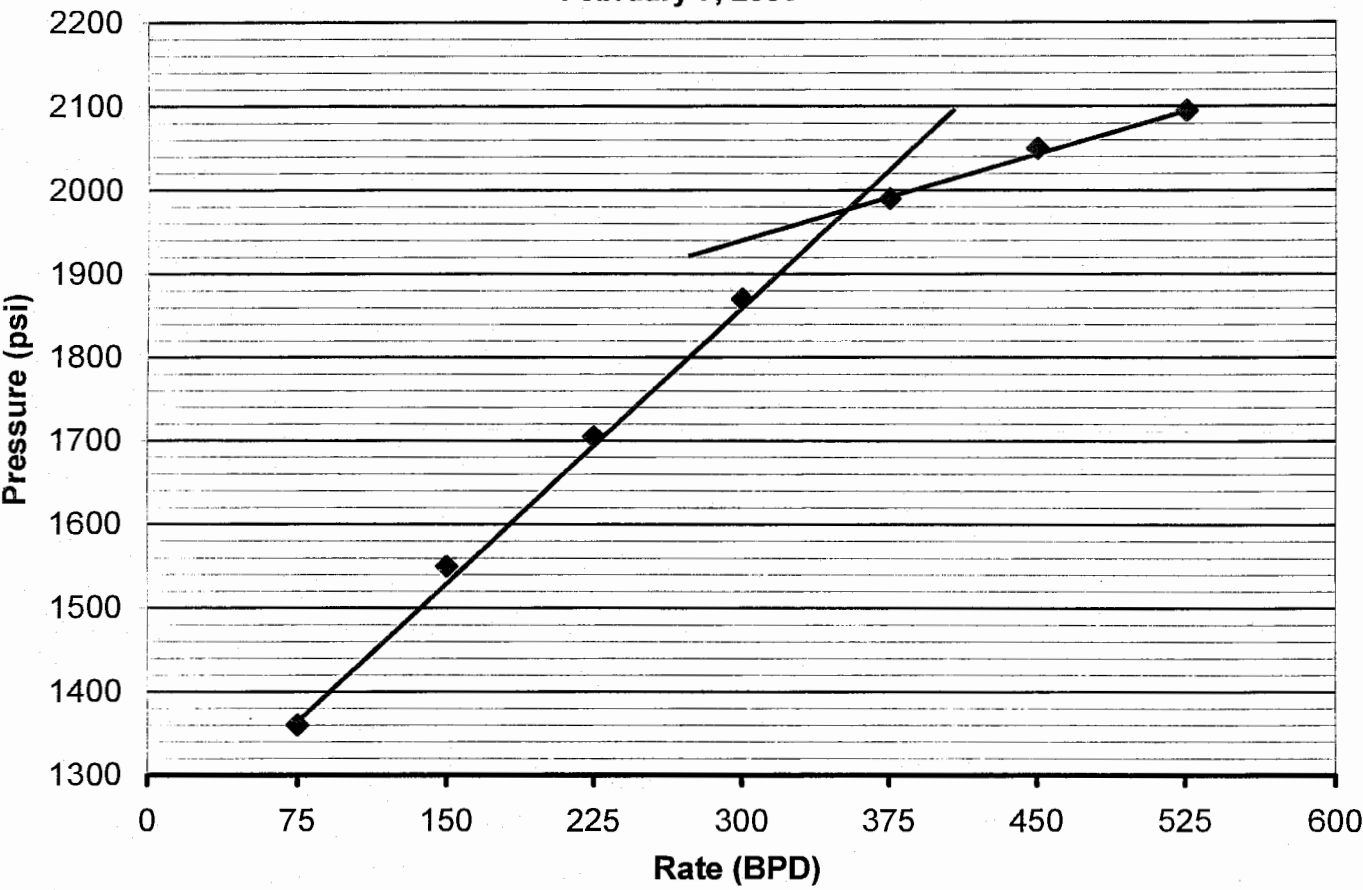
(This space for State use only)

RECEIVED

FEB 14 2005

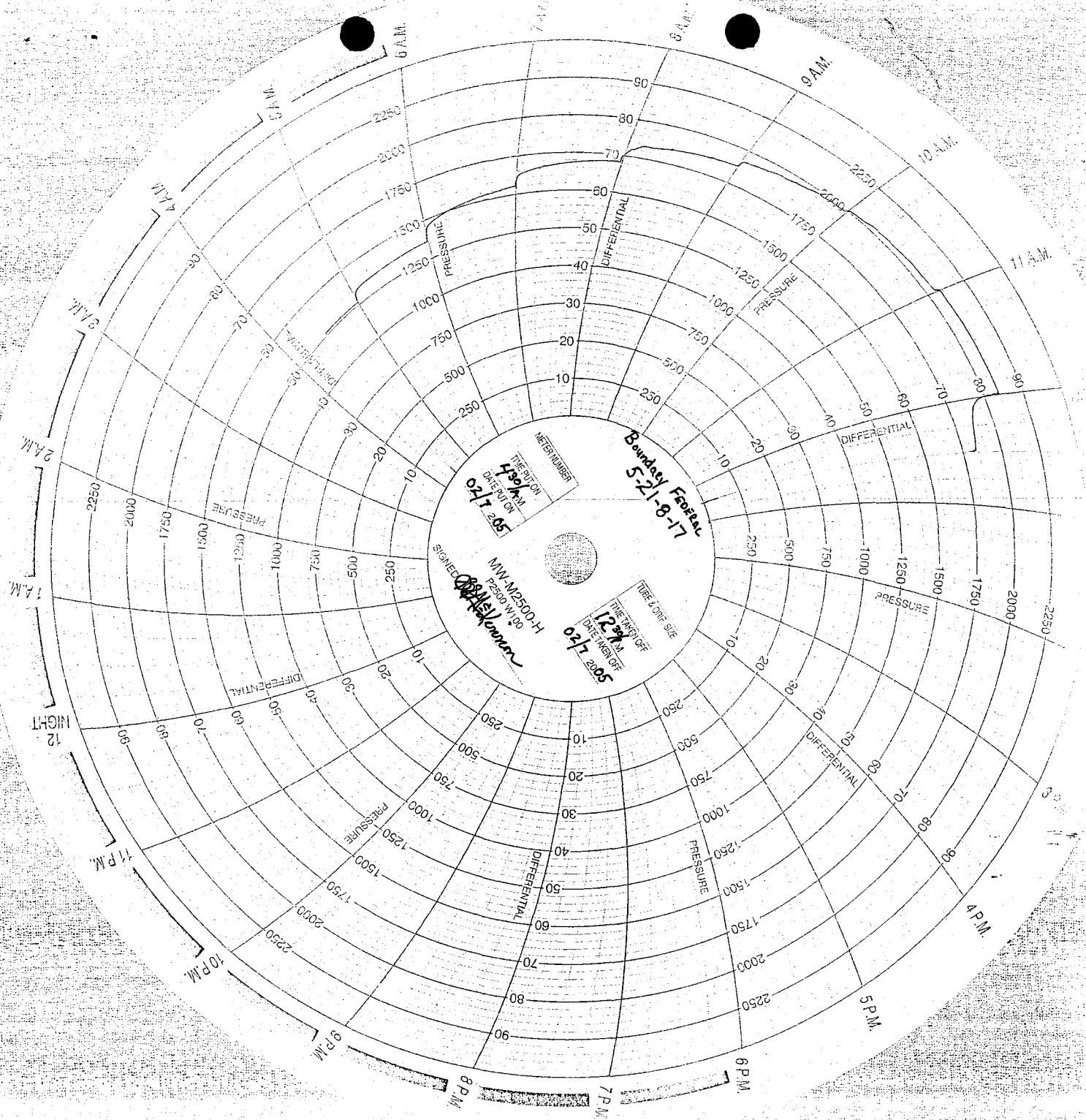
DIV. OF OIL, GAS & MINING

Boundary Federal 5-21
Greater Boundary Unit
Step Rate Test
February 7, 2005



Start Pressure: 1265 psi
Instantaneous Shut In Pressure (ISIP): 1980 psi
Top Perforation: 5350 feet
Fracture pressure (Pfp): 1980 psi
FG: 0.805 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	75	1360
2	150	1550
3	225	1705
4	300	1870
5	375	1990
6	450	2050
7	525	2095



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-76954
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GREATER BOUNDARY II
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: BOUNDARY FED 5-21
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2103 FNL 505 FWL		9. API NUMBER: 4301330822
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 21, T8S, R17E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
05/12/2008	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 04/21/08 Nathan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 05/02/08. On 05/02/08 the csg was pressured up to 1040 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 1900 psig during the test. There was not an EPA representative available to witness the test. EPA# 20702-04397 API# 43-013-30822.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Jentri Park TITLE Production Tech
SIGNATURE DATE 05/12/2008

(This space for State use only)

RECEIVED
MAY 14 2008
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 05/02/08
Test conducted by: Dale Giles
Others present: _____

Well Name: <u>Boundary Fed. 5-21-8-17</u>		Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Greater Boundary Unit</u>			
Location: _____	Sec: <u>21</u>	T <u>8</u>	N <u>18</u> R <u>17</u> W
County: <u>Duchesne</u>		State: <u>UT</u>	
Operator: <u>Newfield Production Co.</u>			
Last MIT: <u>1</u>		Maximum Allowable Pressure: <u>1980</u>	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☐ No
Test after well rework? ☐ Yes ☐ No
Well injecting during test? ☒ Yes ☐ No If Yes, rate: 20 bpd

Pre-test casing/tubing annulus pressure: 0 psig

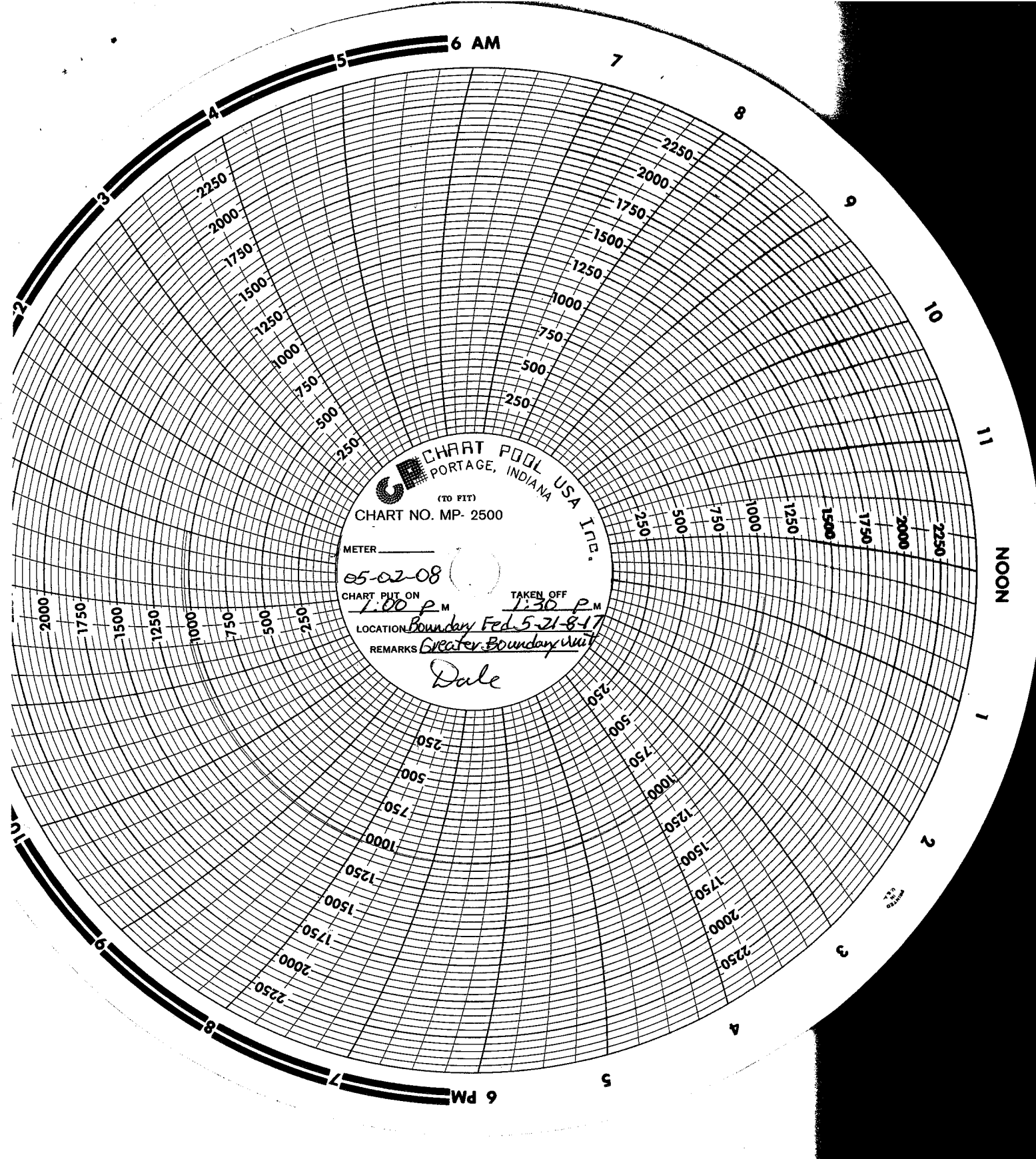
MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING		PRESSURE		
Initial Pressure	<u>1900</u> psig	psig	psig	psig
End of test pressure	<u>1900</u> psig	psig	psig	psig
CASING / TUBING		ANNULUS PRESSURE		
0 minutes	<u>1040</u> psig	psig	psig	psig
5 minutes	<u>1040</u> psig	psig	psig	psig
10 minutes	<u>1040</u> psig	psig	psig	psig
15 minutes	<u>1040</u> psig	psig	psig	psig
20 minutes	<u>1040</u> psig	psig	psig	psig
25 minutes	<u>1040</u> psig	psig	psig	psig
30 minutes	<u>1040</u> psig	psig	psig	psig
_____ minutes	psig	psig	psig	psig
_____ minutes	psig	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-50376
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: BOUNDARY FED 5-21
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2103 FNL 0505 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 21 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013308220000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/1/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT on the above listed well. On 04/01/2013 the casing was pressured up to 1280 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbp pressure was 1607 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04397		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 10, 2013		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 4/3/2013	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 4 / 1 / 13Test conducted by: Male Giles

Others present: _____

-04397

Well Name: <u>Boundary Fed 5-21-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SW NW</u> Sec: <u>21</u> T <u>8</u> N <u>15</u> R <u>17</u> E W County: <u>Duchesne</u> State: <u>Ut</u>		
Operator: <u>Newfield Production Co.</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
 Initial test for permit? ☐ Yes ☒ No
 Test after well rework? ☐ Yes ☒ No
 Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

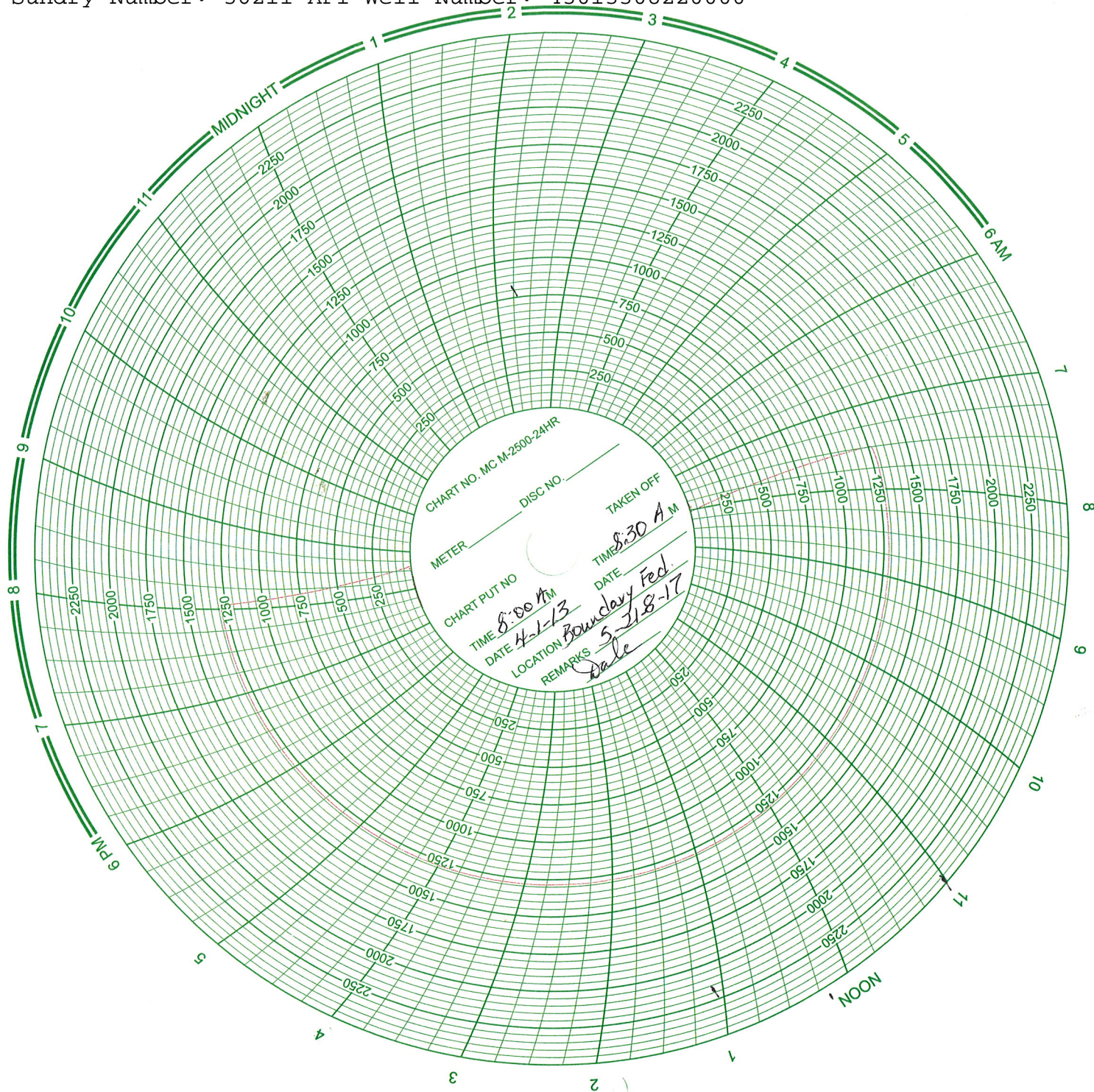
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>1607</u> psig	psig	psig
End of test pressure	<u>1607</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1280</u> psig	psig	psig
5 minutes	<u>1280</u> psig	psig	psig
10 minutes	<u>1280</u> psig	psig	psig
15 minutes	<u>1280</u> psig	psig	psig
20 minutes	<u>1280</u> psig	psig	psig
25 minutes	<u>1280</u> psig	psig	psig
30 minutes	<u>1280</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



NEWFIELD



Schematic

Well Name: Boundary 5-21-8-17

43-013 -30822

Surface Legal Location 21-8S-17E				API/UWI 43013308220000	Well RC 500151384	Lease	State/Province Utah	Field Name GMBU CTB7	County Duchesne
Spud Date 5/24/1984	Rig Release Date 7/3/1984	On Production Date 1/11/1993	Original KB Elevation (ft) 5,253	Ground Elevation (ft) 5,241	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,415.0			

Most Recent Job

Job Category Production / Workover	Primary Job Type Clean-out	Secondary Job Type N/A	Job Start Date 7/17/2014	Job End Date 7/17/2014
---------------------------------------	-------------------------------	---------------------------	-----------------------------	---------------------------

TD: 6,858.0

Vertical - Original Hole, 3/2/2016 1:37:29 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)	
			DLS (° ...)		
12.1					
268.0					
269.0					
312.0					
2,007.9					
5,244.1				2-1, Tubing; 2 7/8; 2.441; 12-5,244; 5,232.00	
5,245.1				2-2; Pump Seating Nipple; 2 7/8; 2.441; 5,244-5,245; 1.10	
5,252.6				2-3; Packer; 5 1/2; 2.441; 5,245-5,253; 7.40	
5,350.1				Perforated; 5,350-5,356; 8/5/1984	
5,356.0				Perforated; 5,375-5,383; 8/5/1984	
5,375.0				Perforated; 6,154-6,163; 8/23/1984	
5,382.9				Perforated; 6,170-6,178; 8/23/1984	
6,153.9					
6,163.1					
6,169.9					
6,178.1					
6,415.0					
6,415.7					
6,459.3					
6,460.0				2; Production; 5 1/2 in; 4.892 in; 12-6,460 ftKB; 6,448.00 ft	
6,857.9					

NEWFIELD



Newfield Wellbore Diagram Data Boundary 5-21-8-17

Surface Legal Location 21-8S-17E		API/UWI 43013308220000		Lease	
County Duchesne		State/Province Utah		Basin	
Well Start Date 5/24/1984		Spud Date 5/24/1984		Final Rig Release Date 7/3/1984	
Original KB Elevation (ft) 5,253		Ground Elevation (ft) 5,241		On Production Date 1/11/1993	
Total Depth (ftKB) 6,858.0		Total Depth All (TVD) (ftKB)		PBD (All) (ftKB) Original Hole - 6,415.0	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	5/24/1984	8 5/8	8.097	24.00	J-55	269
Production	7/2/1984	5 1/2	4.892	17.00	J-55	6,460

Cement

String: Surface, 269ftKB 5/24/1984

Cementing Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 312.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description w/ 2% CaCl + 1/4#/sk flocele		Fluid Type Lead	Amount (sacks) 210	Class G	Estimated Top (ftKB) 12.0

String: Production, 6,460ftKB 7/2/1984

Cementing Company		Top Depth (ftKB) 2,008.0	Bottom Depth (ftKB) 6,858.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description		Fluid Type Lead	Amount (sacks) 165	Class Lodense	Estimated Top (ftKB) 2,008.0
Fluid Description		Fluid Type Tail	Amount (sacks) 375	Class Gypseal	Estimated Top (ftKB) 4,500.0

Tubing Strings

Tubing Description					Run Date		Set Depth (ftKB)	
Tubing					8/3/1998		5,252.5	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btn (ftKB)
Tubing	169	2 7/8	2.441	6.50	M-50	5,232.00	12.0	5,244.0
Pump Seating Nipple		2 7/8	2.441			1.10	5,244.0	5,245.1
Packer		5 1/2	2.441			7.40	5,245.1	5,252.5

Rod Strings

Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btn (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
1	D2 sds, Original Hole	5,350	5,356	1			8/5/1984
1	D2 sds, Original Hole	5,375	5,383	1			8/5/1984
2	CP1 sds, Original Hole	6,154	6,163	1			8/23/1984
2	CP1 sds, Original Hole	6,170	6,178	1			8/23/1984

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,650		25.0	3,500			
2							
3	1,200		1.8	1,500			
3	1,200		1.8	1,500			
4							

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Sand 51800 lb
2		
3		Surfactant 330 gal
3		Surfactant 330 gal
4		Scale Dissolver 20 gal; Surfactant 20 gal